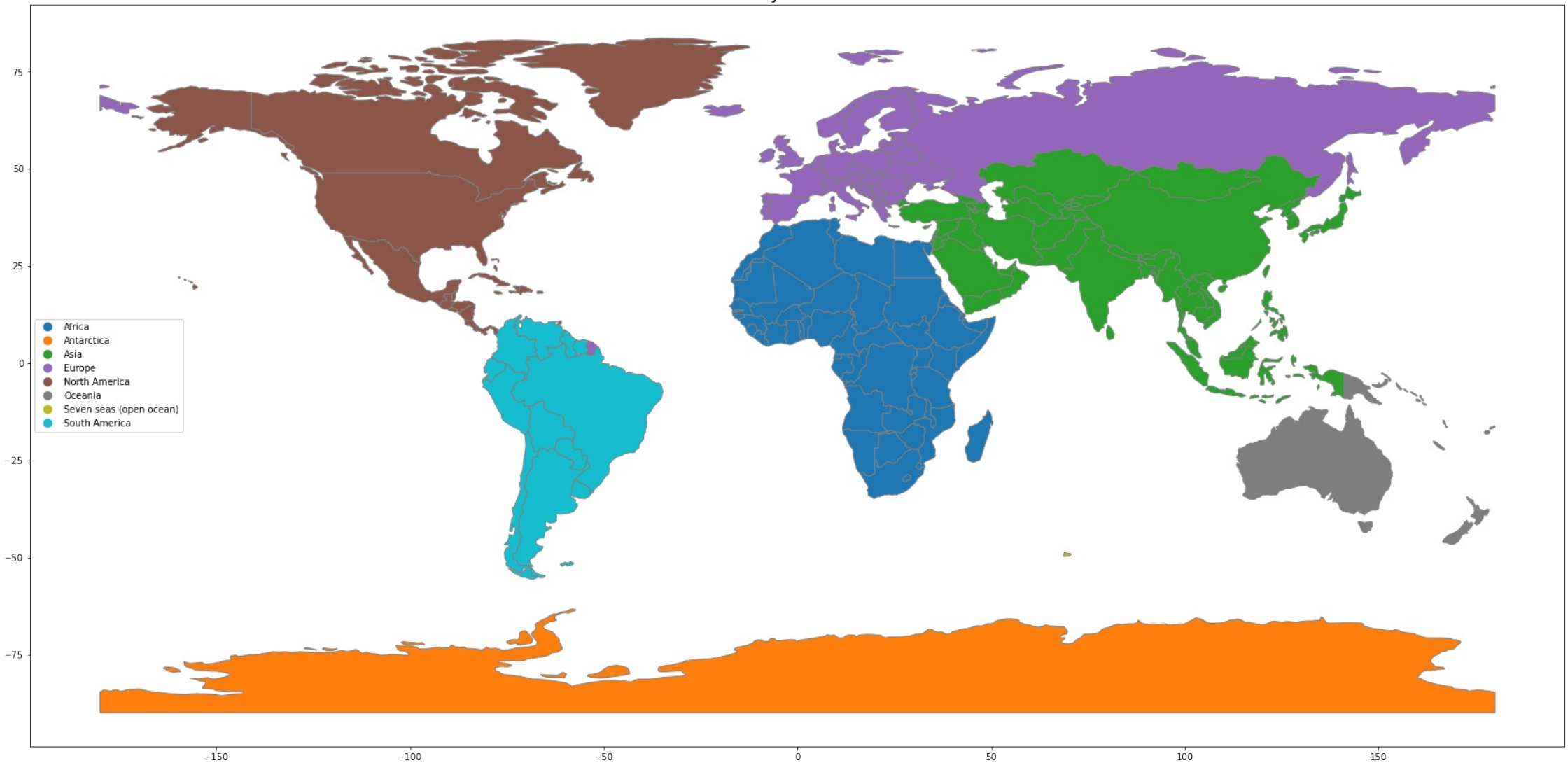
LAND SECTOR DATASETS

MOJA GLOBAL REPOSITORY

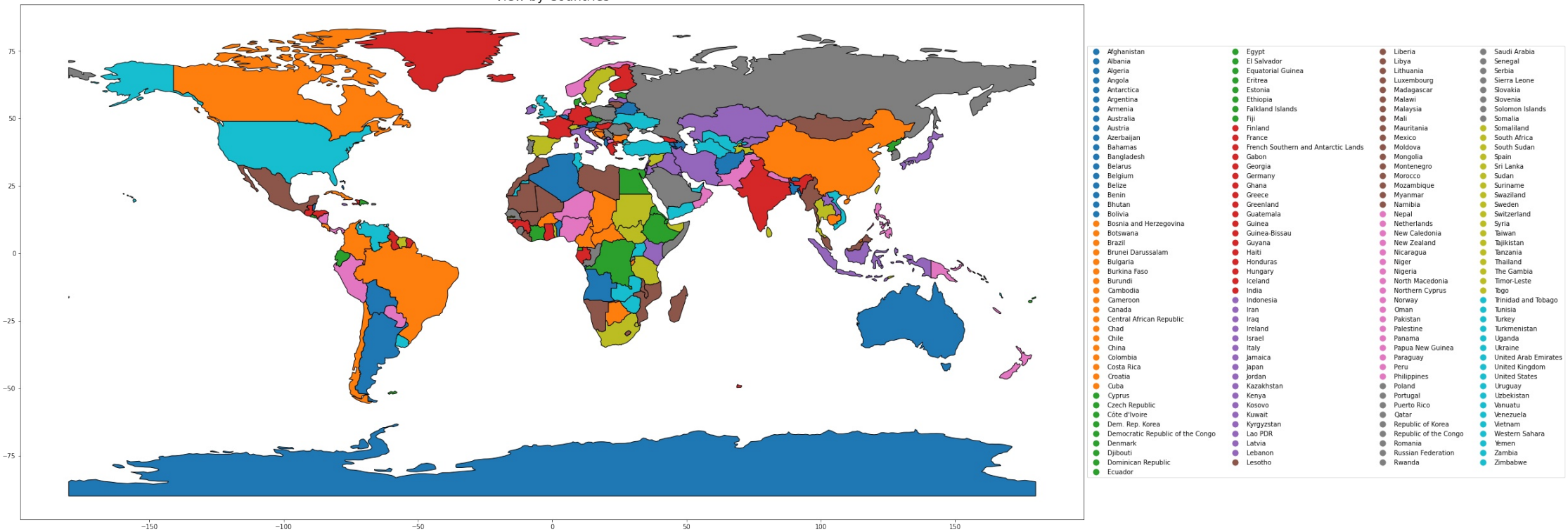
ADMINISTRATIVE BOUNDARIES

THE WORLD AND SOUTH AMERICAN DATASET ARE EXTERNAL RESOURCES,
THE UPCOMMING DATASETS ARE HOSTED IN MOJA GLOBAL REPOSITORY.

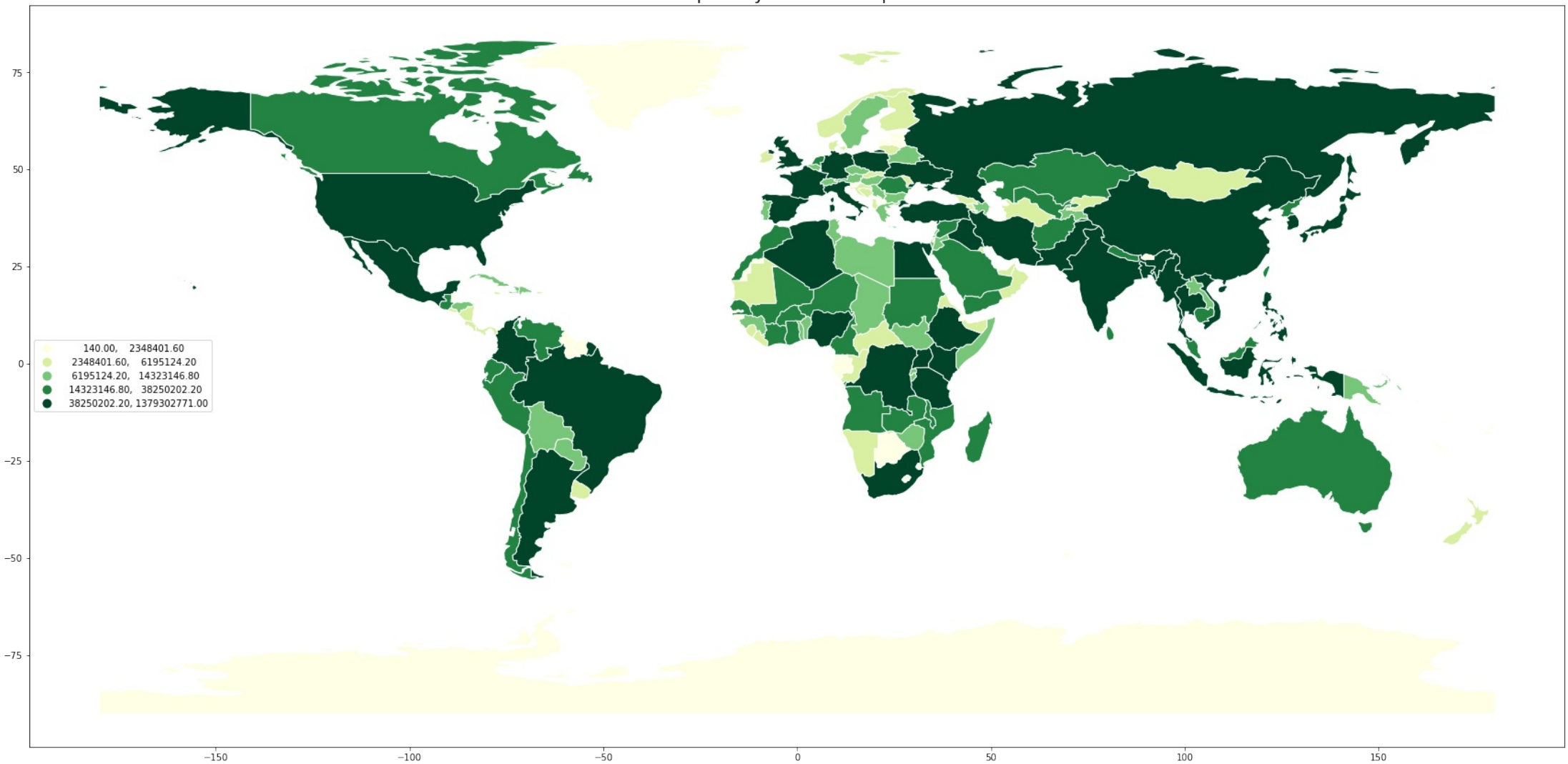
WORLD MAP
View by Continents



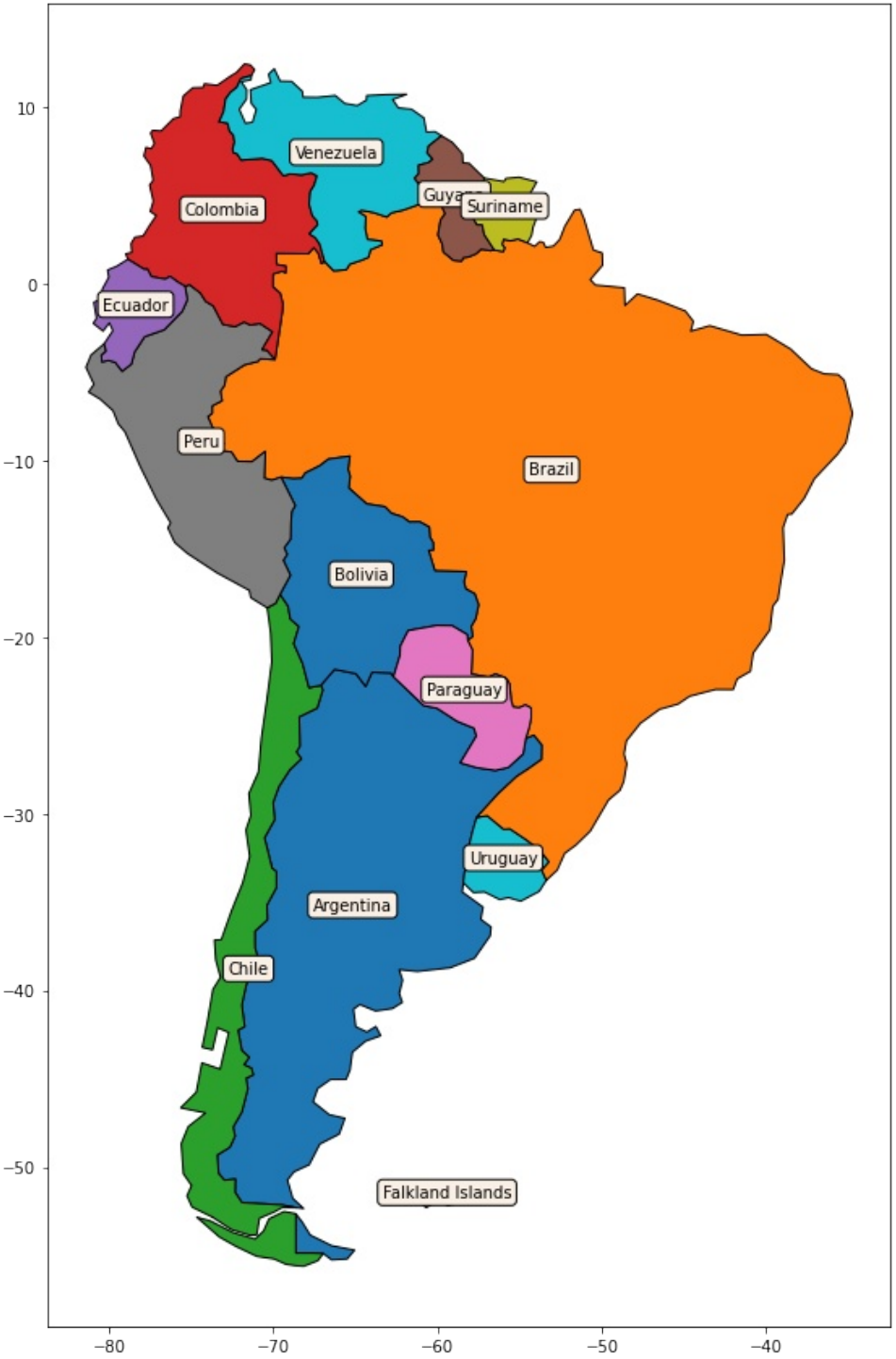
WORLD MAP
View by Countries

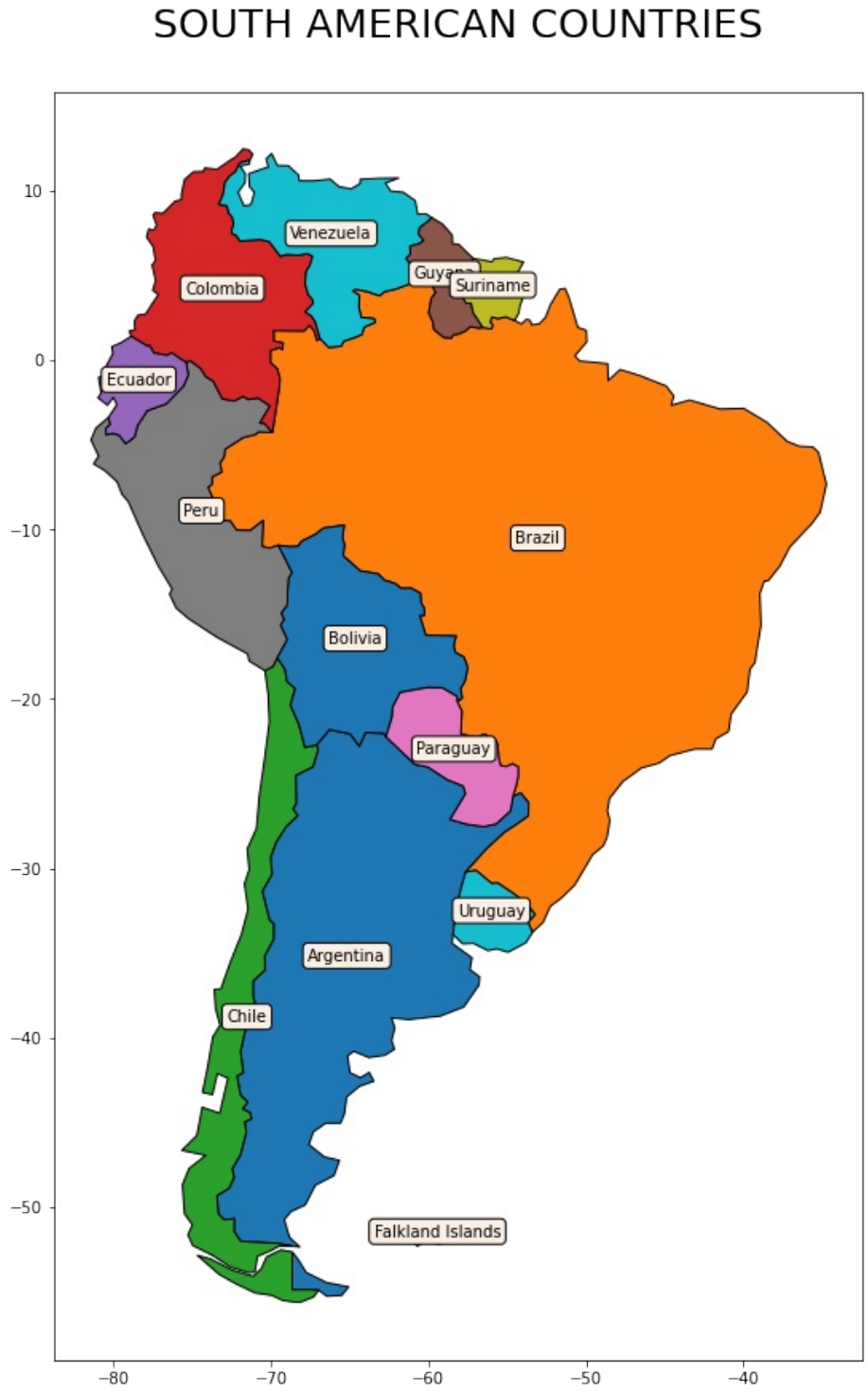


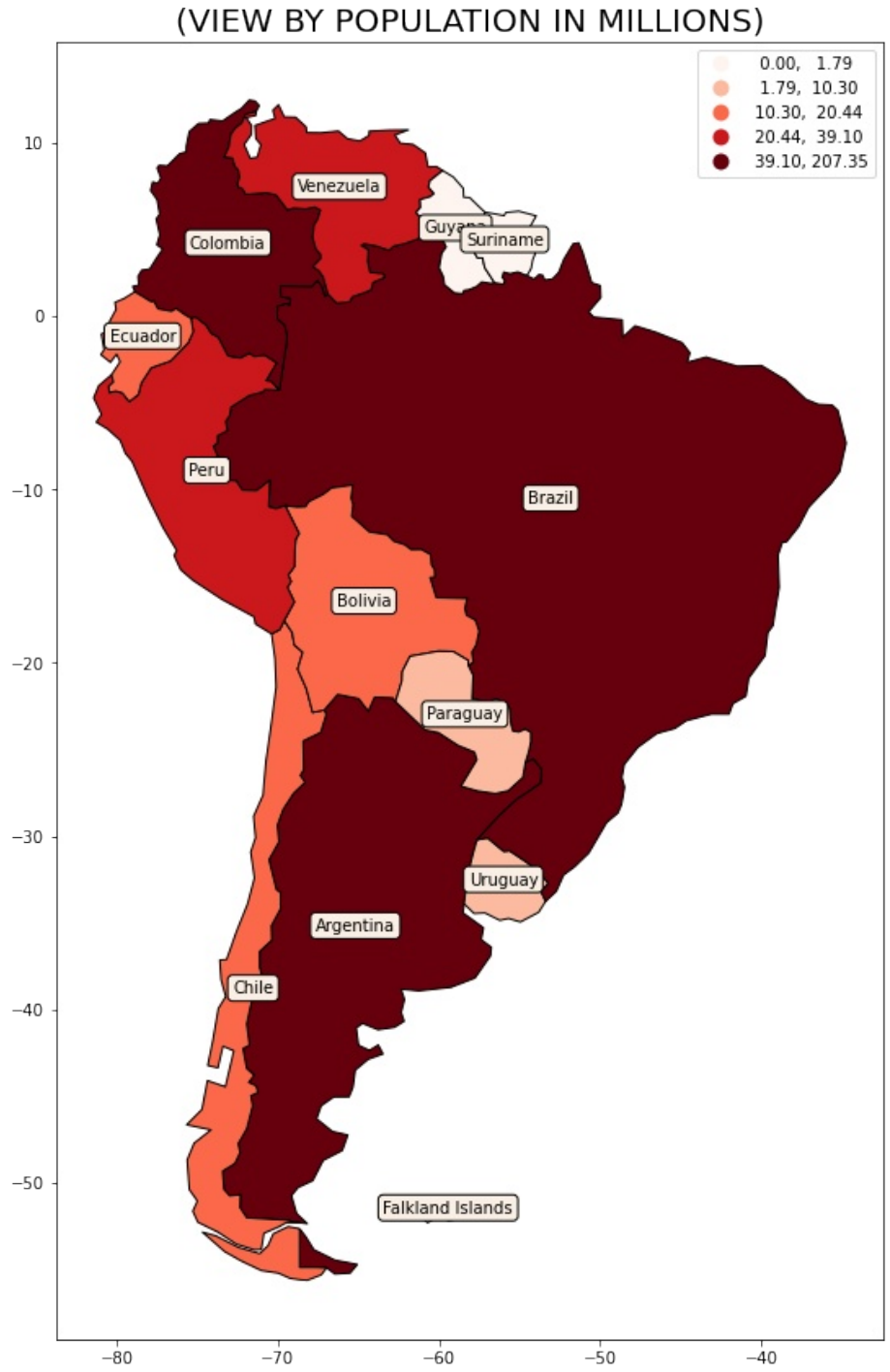
WORLD MAP
Chloropets by Stimated Population



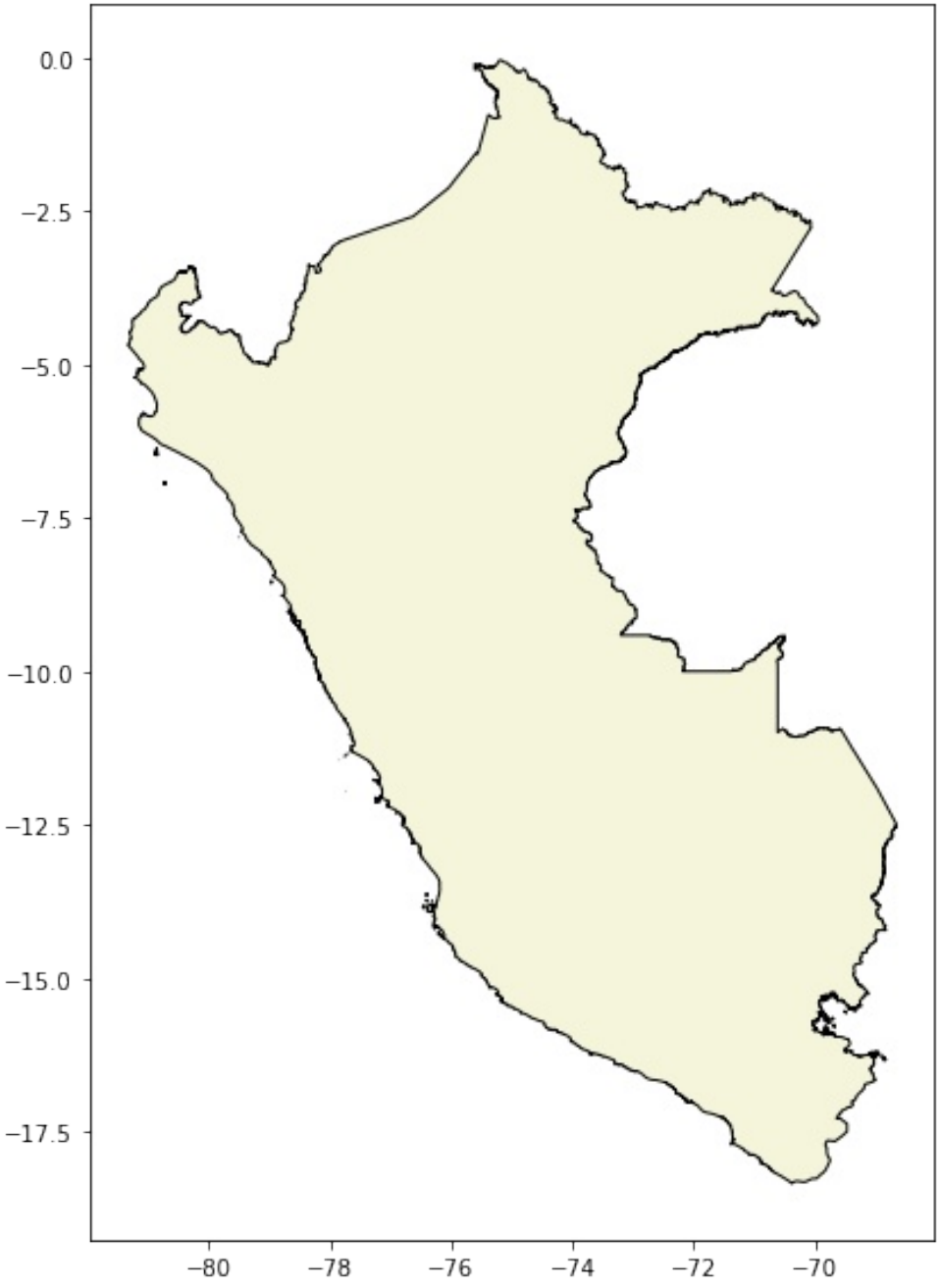
SOUTH AMERICA



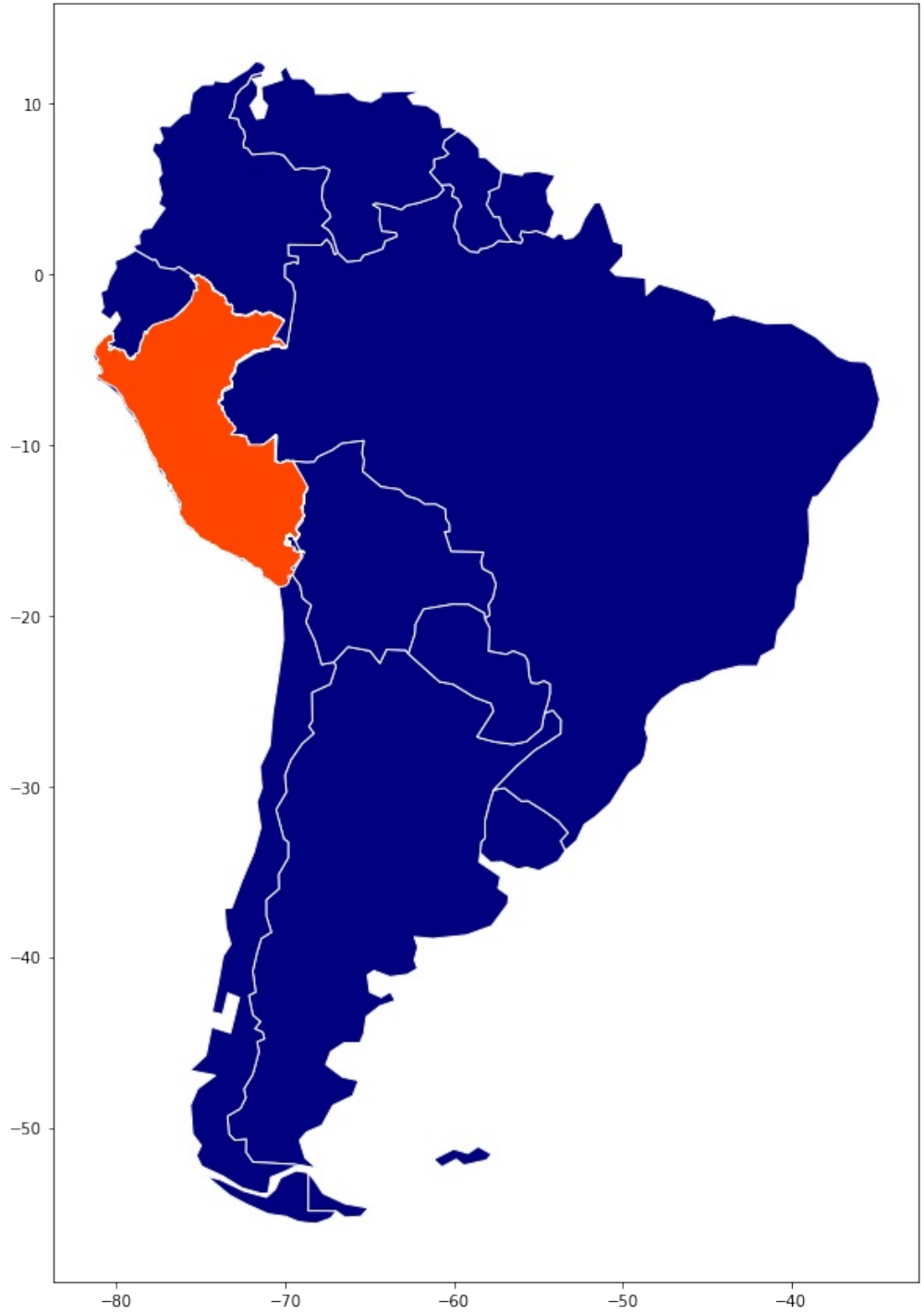

SOUTH AMERICAN COUNTRIES
Venezuela
Colombia
Guyana
Suriname
Ecuador
Peru
Brazil
Bolivia
Paraguay
Uruguay
Argentina
Chile
Falkland Islands
10
0
−10
−20
−30
−40
−50
−80
−70
−60
−50
−40

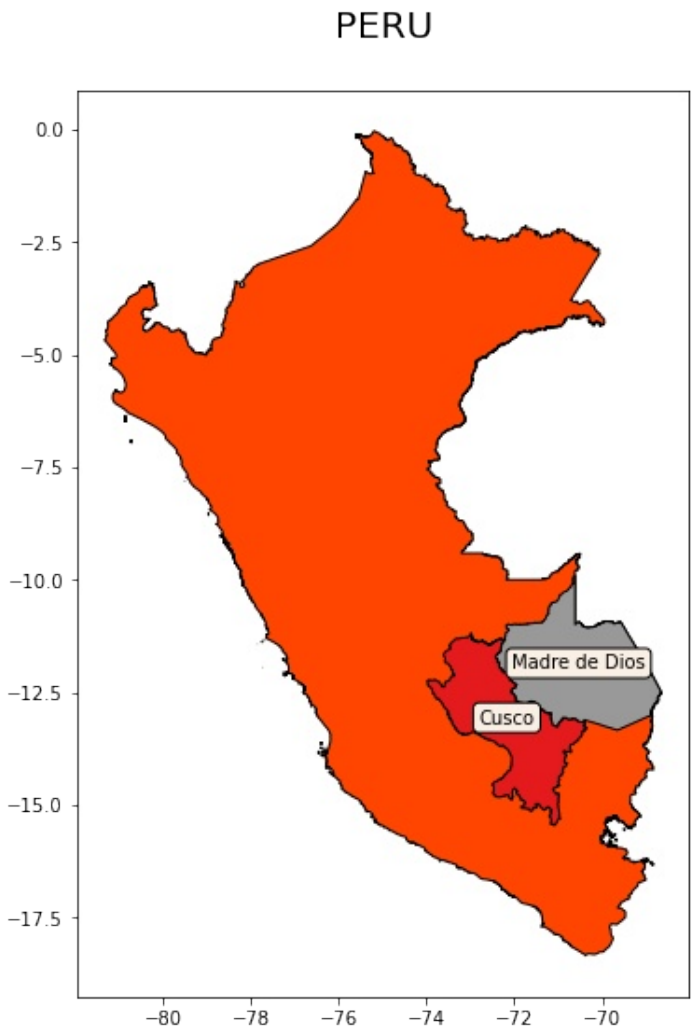

SOUTH AMERICAN COUNTRIES
(VIEW BY POPULATION IN MILLIONS)
0.00, 1.79
1.79, 10.30
10.30, 20.44
20.44, 39.10
39.10, 207.35
Venezuela
Colombia
Guyana
Suriname
Ecuador
Peru
Brazil
Bolivia
Paraguay
Uruguay
Argentina
Chile
Falkland Islands
10
0
−10
−20
−30
−40
−50
−80
−70
−60
−50
−40

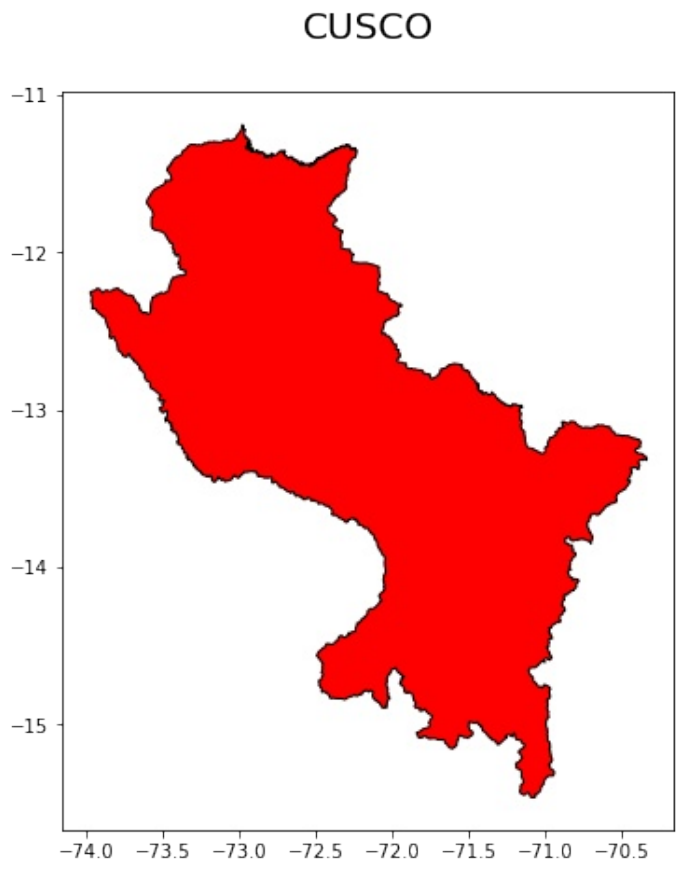
ADMINISTRATIVE BOUNDARIES IN PERU



VIEW OF PERU IN SOUTH AMERICA



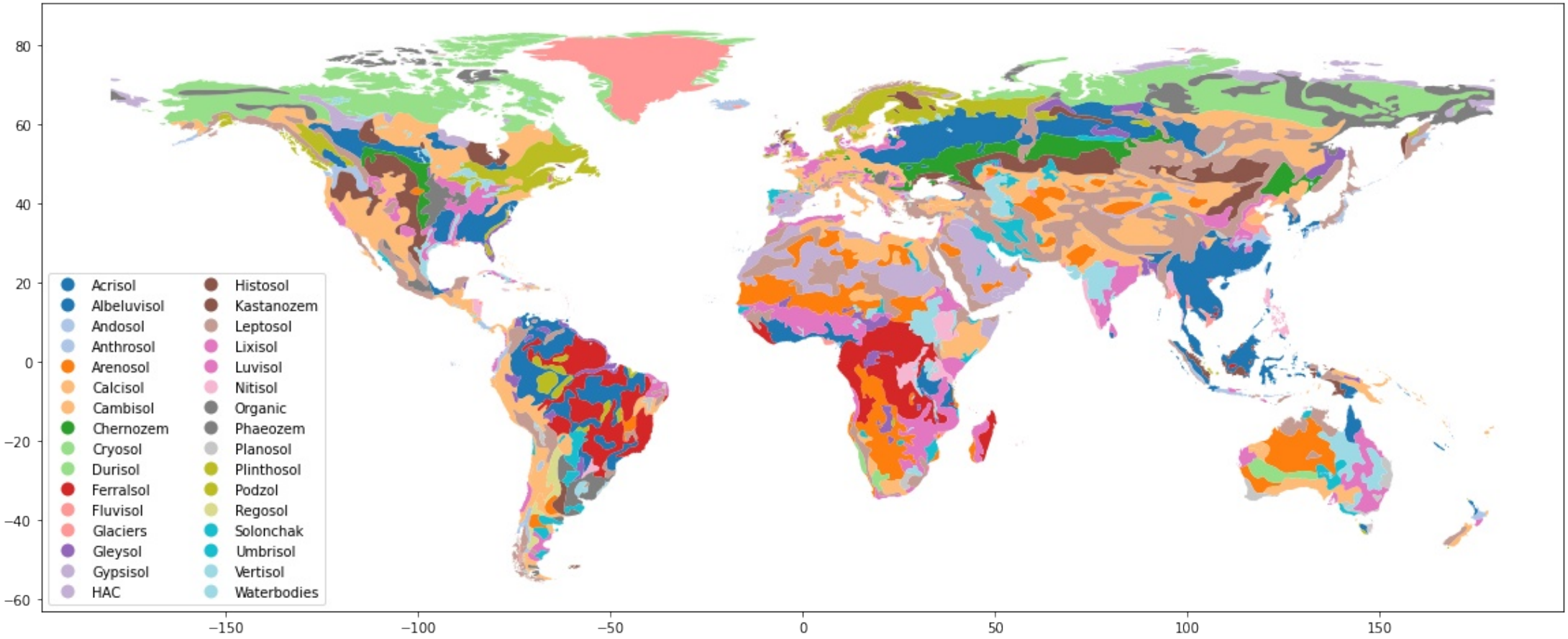

PERU
Madre de Dios
Cusco
0.0
−2.5
−5.0
−7.5
−10.0
−12.5
−15.0
−17.5
−80
−78
−76
−74
−72
−70


CUSCO
−11
−12
−13
−14
−15
−74.0
−73.5
−73.0
−72.5
−72.0
−71.5
−71.0
−70.5

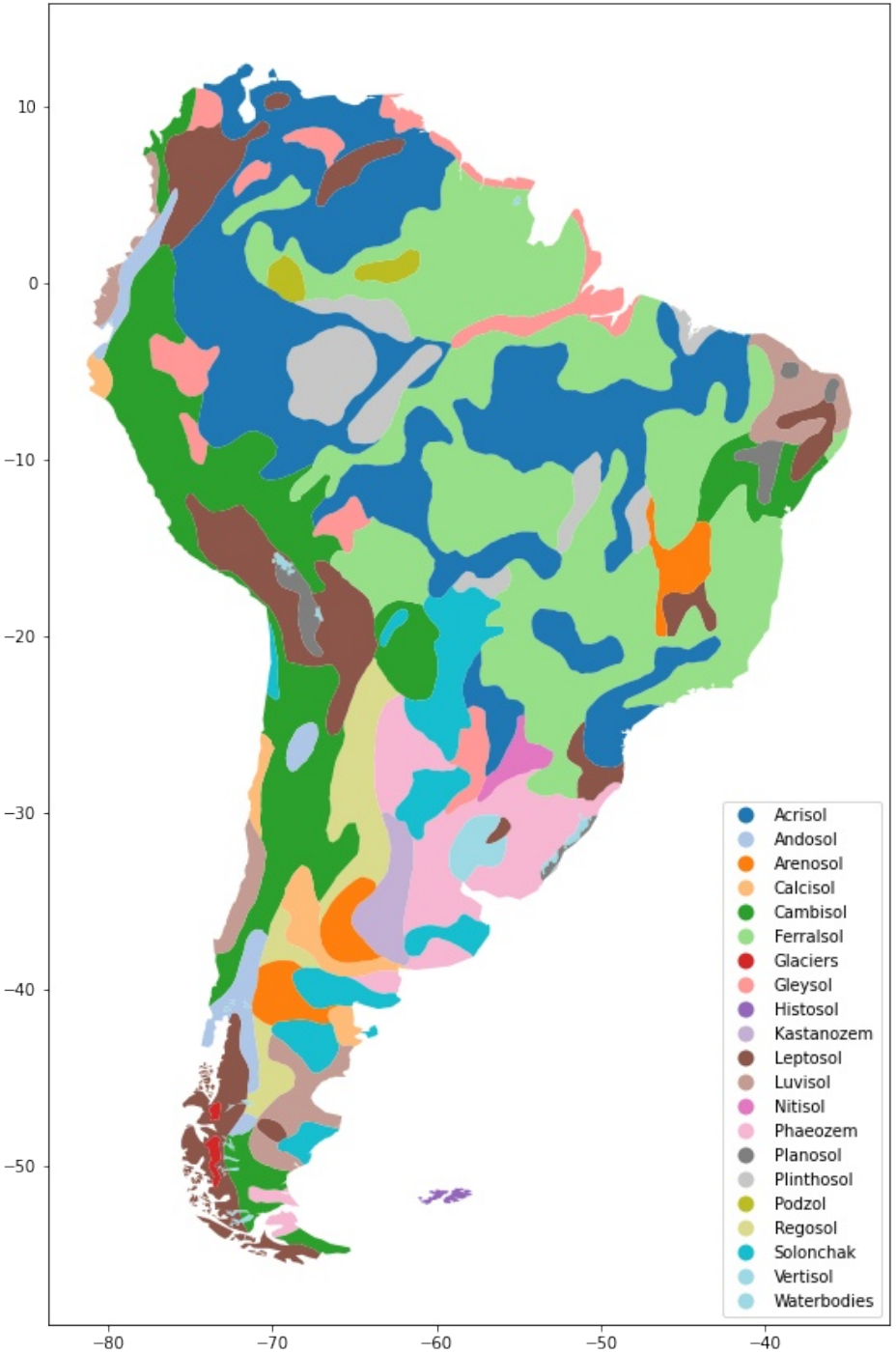
MADRE DE DIOS
−10.0
−10.5
−11.0
−11.5
−12.0
−12.5
−13.0
−13.5
−72.5
−72.0
−71.5
−71.0
−70.5
−70.0
−69.5
−69.0
−68.5

SOIL RESOURCES DATASET (WRS)

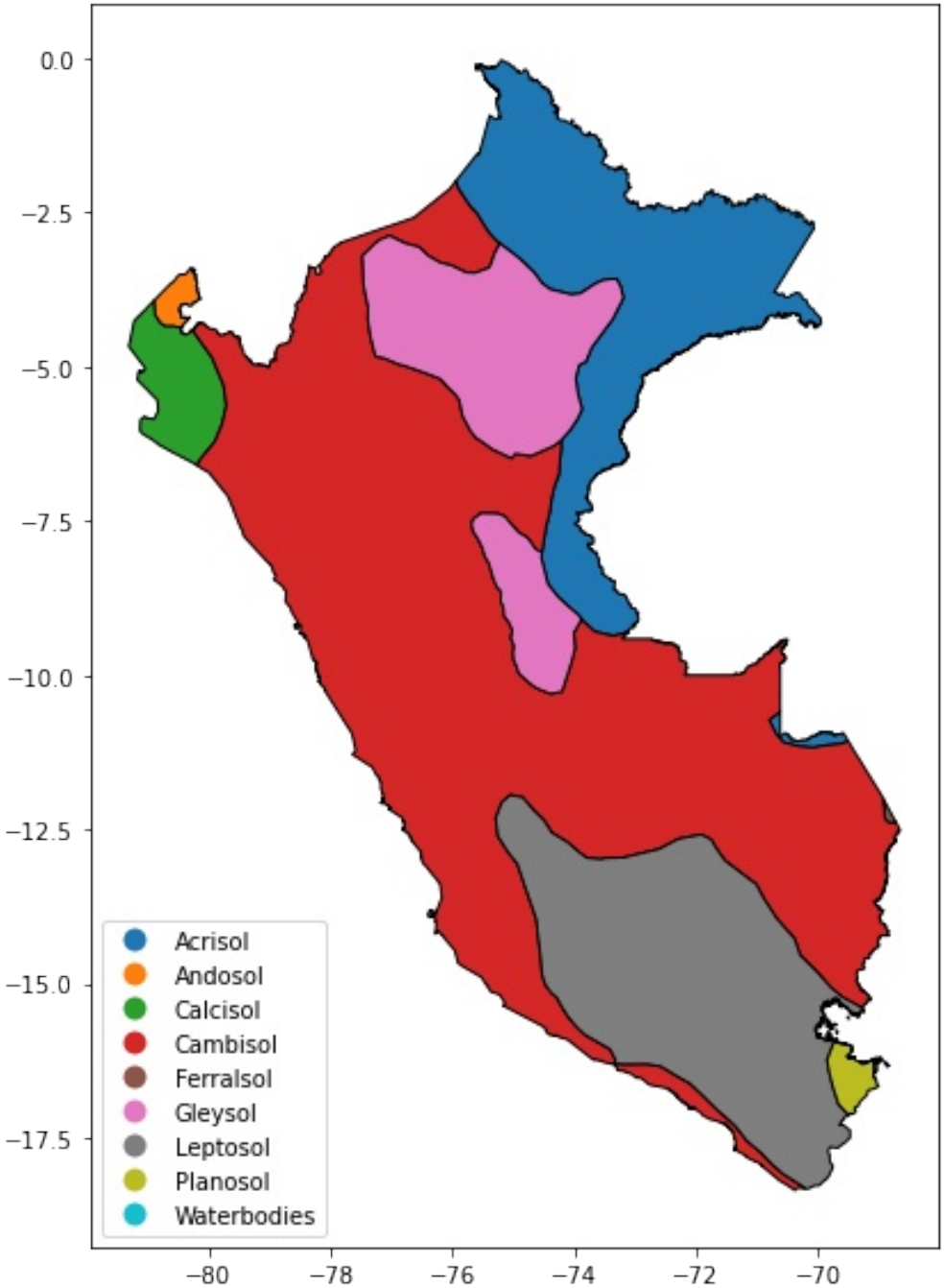
WORLD SOIL RESOURCES



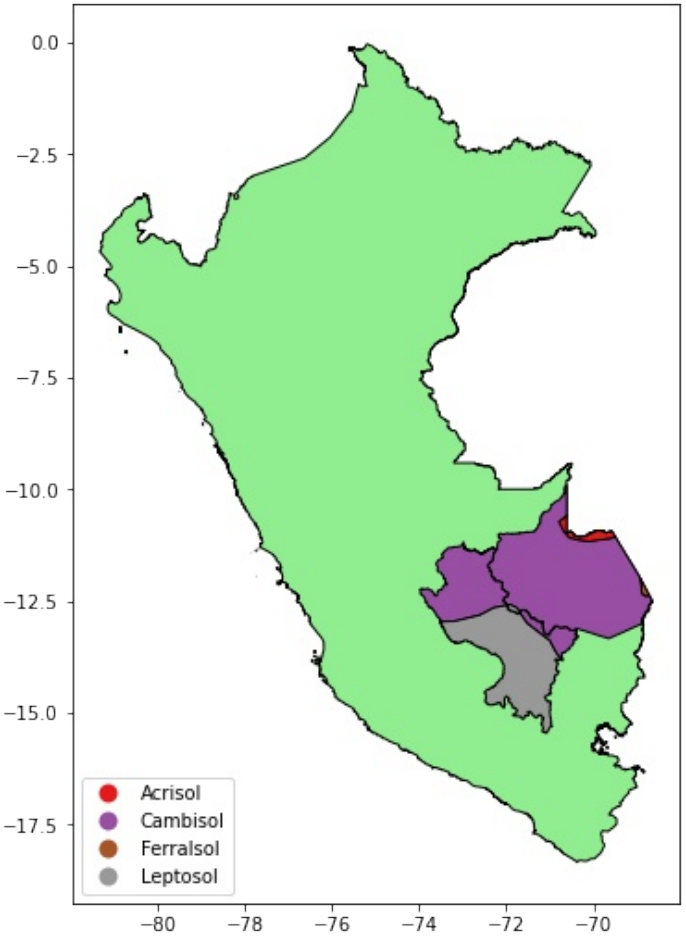
SOUTH AMERICA SOIL RESOURCES



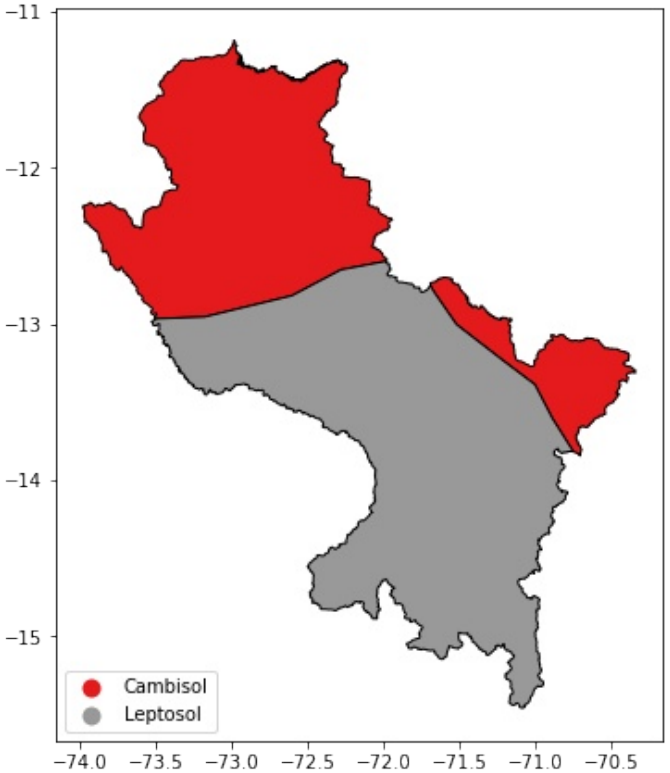
SOIL RESOURCES IN PERU



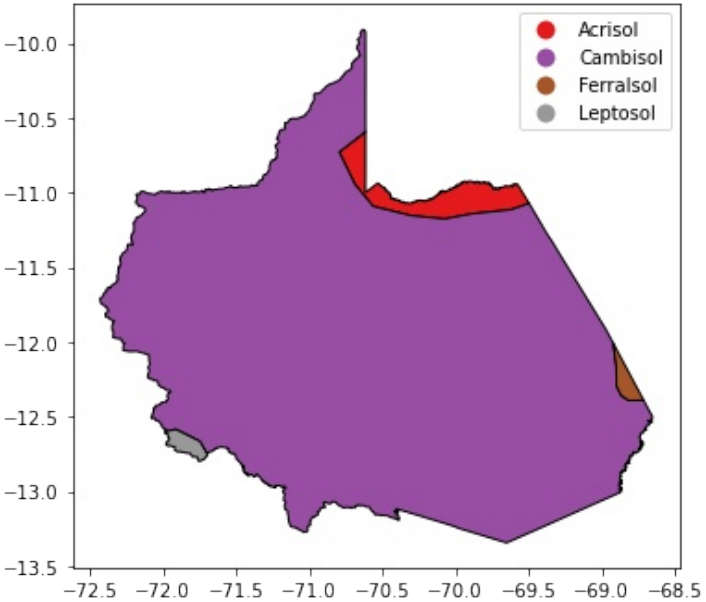
SOIL RESOURCES - REGION VIEW



SOIL RESOURCES IN CUSCO

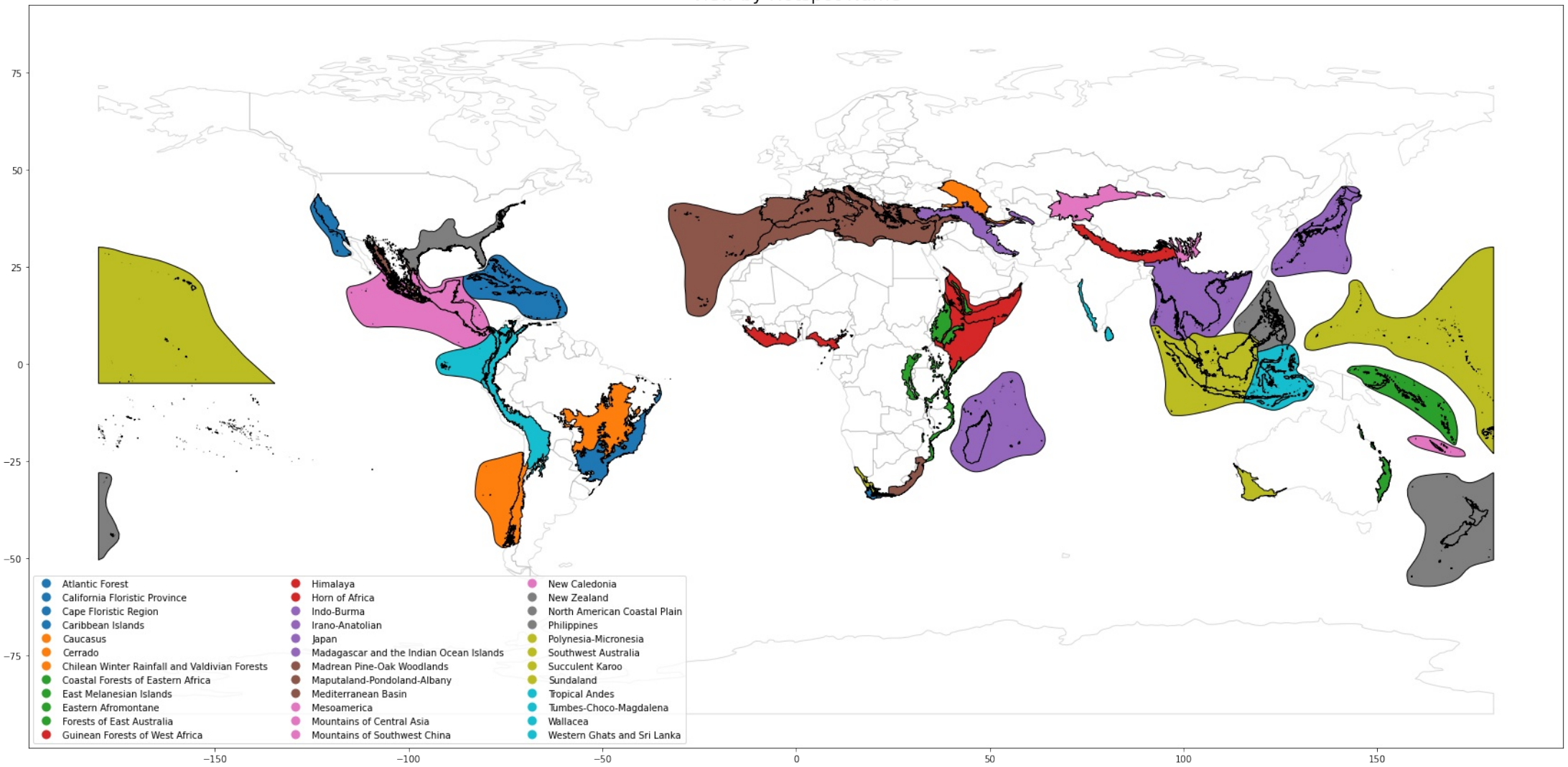


SOIL RESOURCES IN MADRE DE DIOS

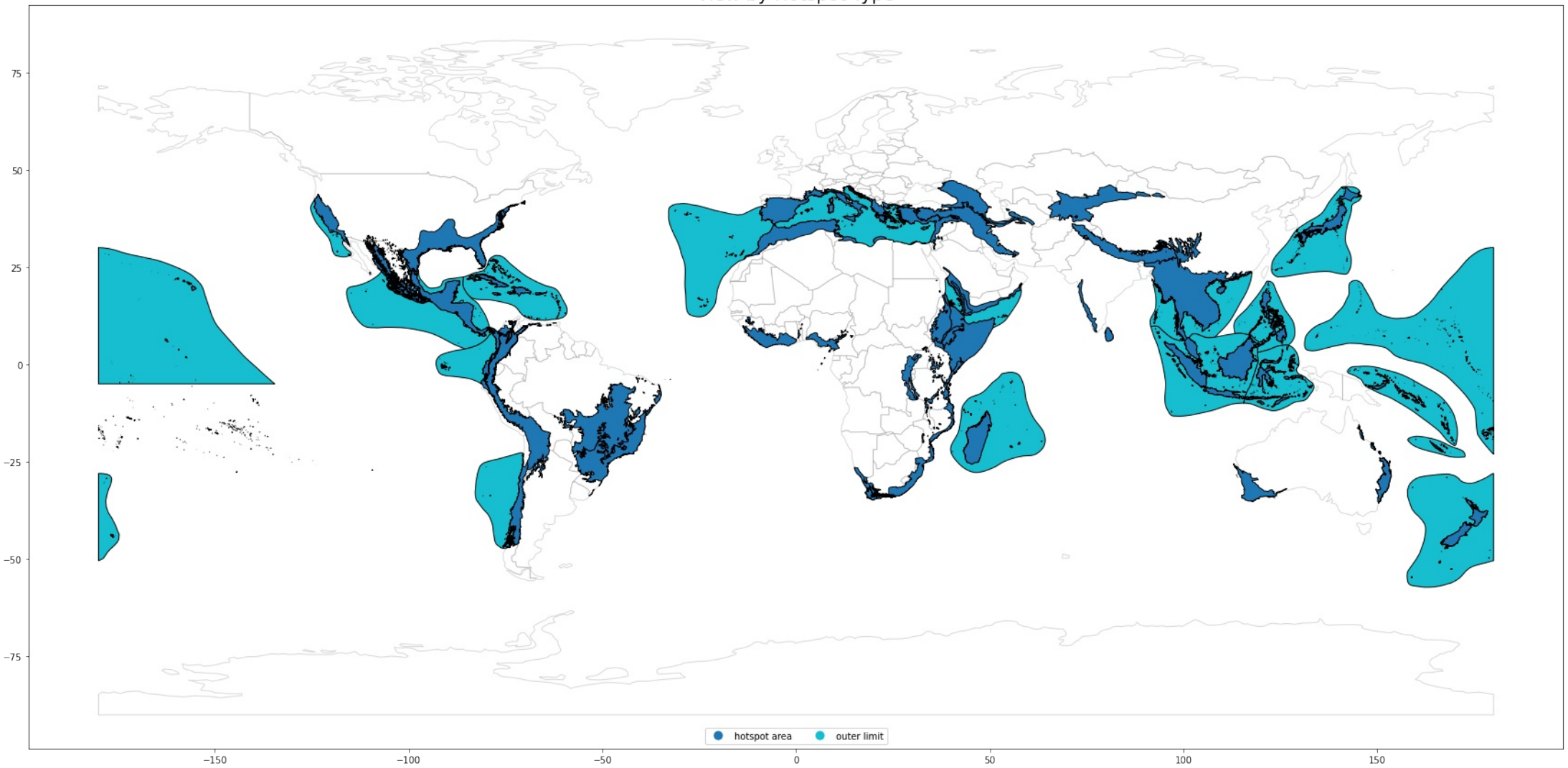


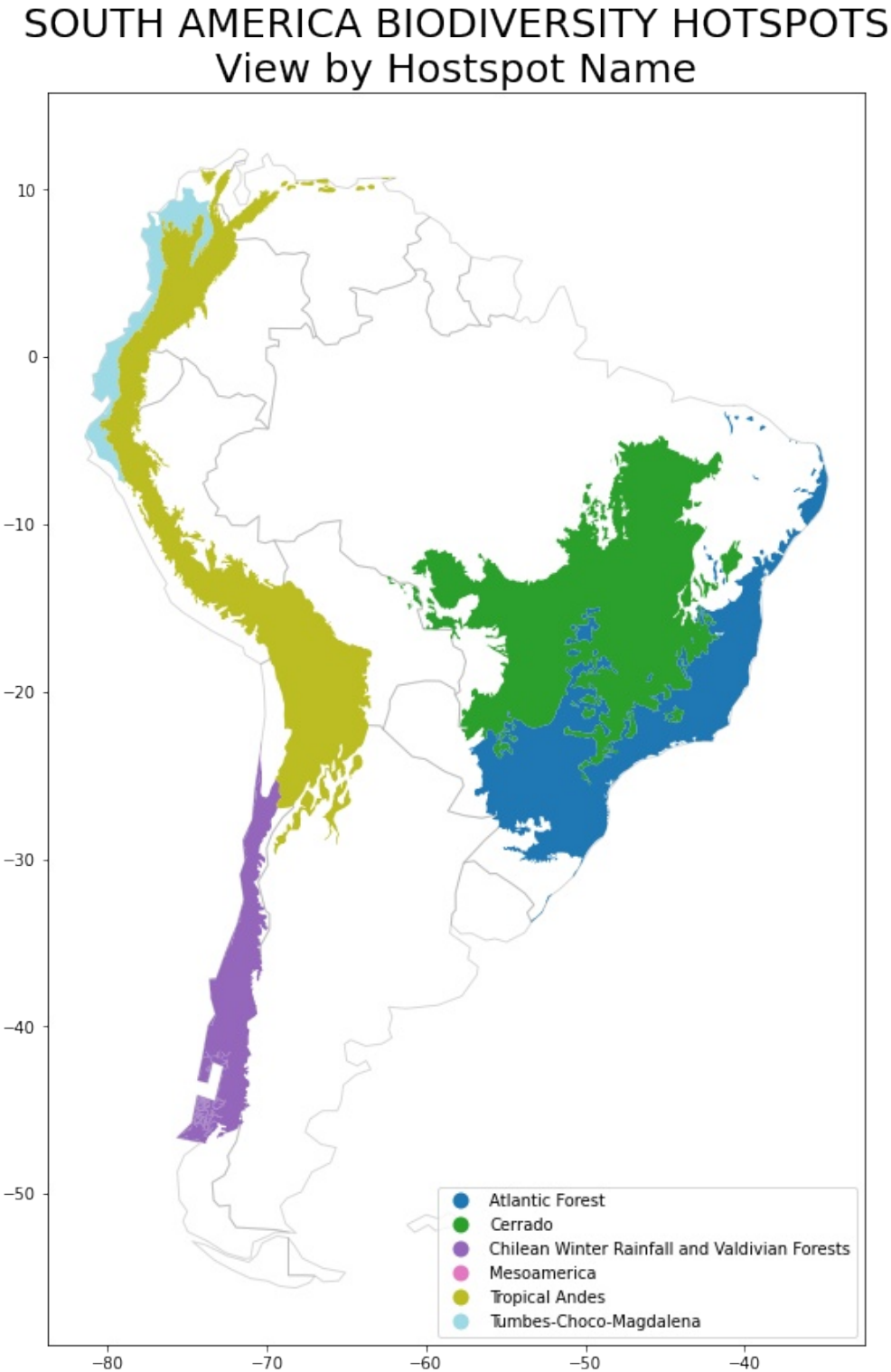
CI BIODIVERSITY HOTSPOTS
(BASED ON ENDEMISM PLANT RECORDS)

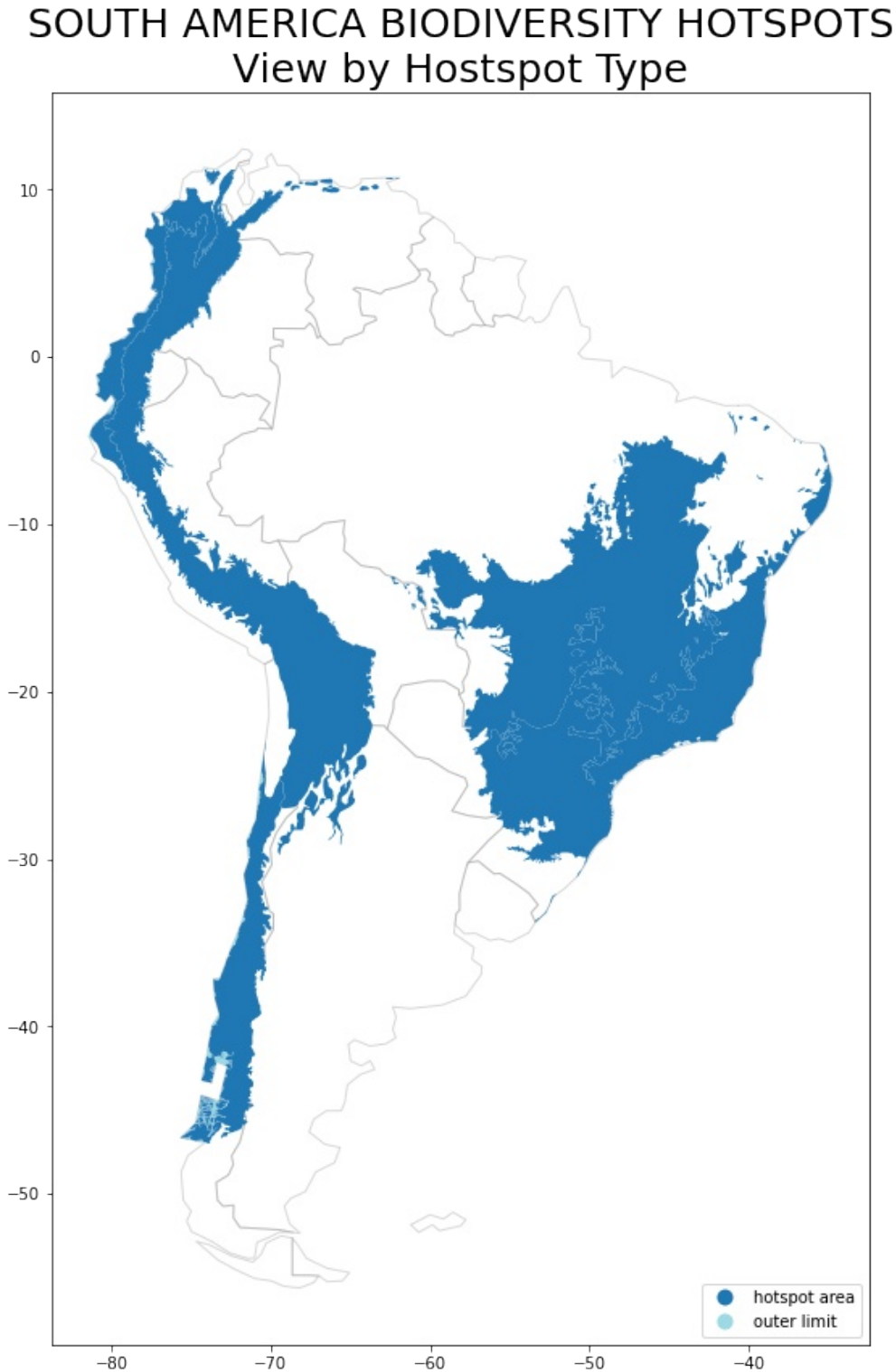
WORLD BIODIVERSITY HOTSPOTS
View by Hotspot Name

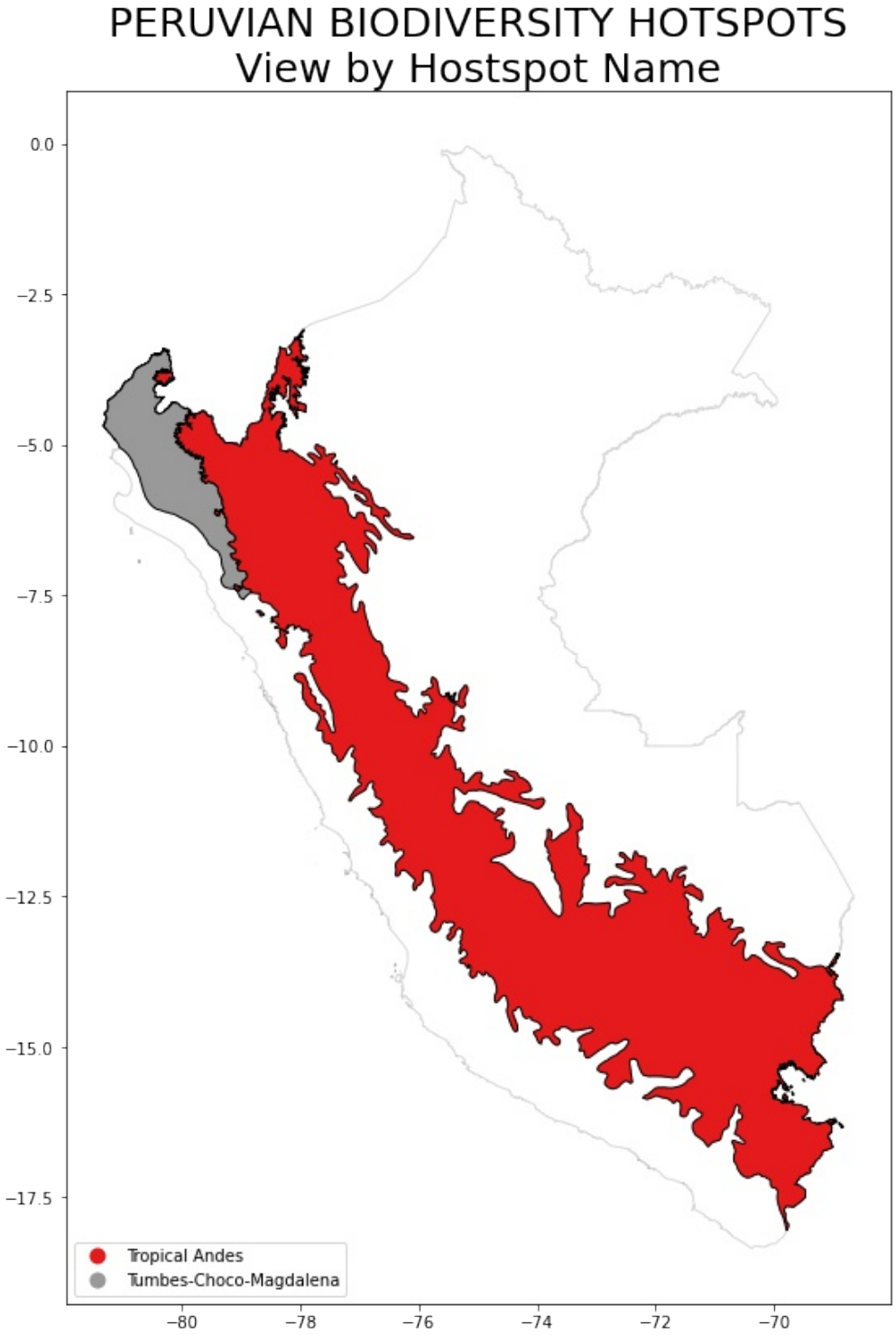


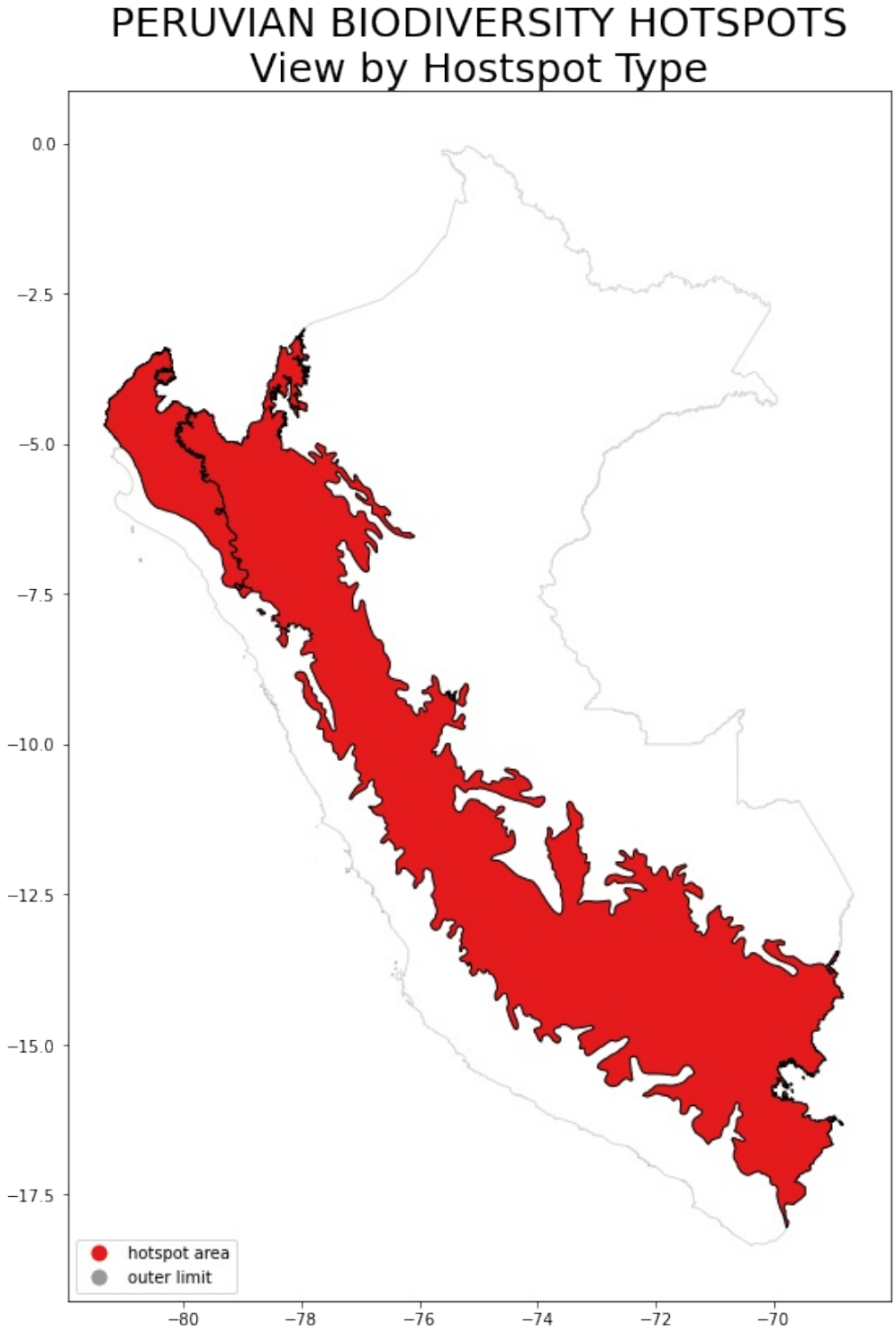
WORLD BIODIVERSITY HOTSPOTS
View by Hotspot Type

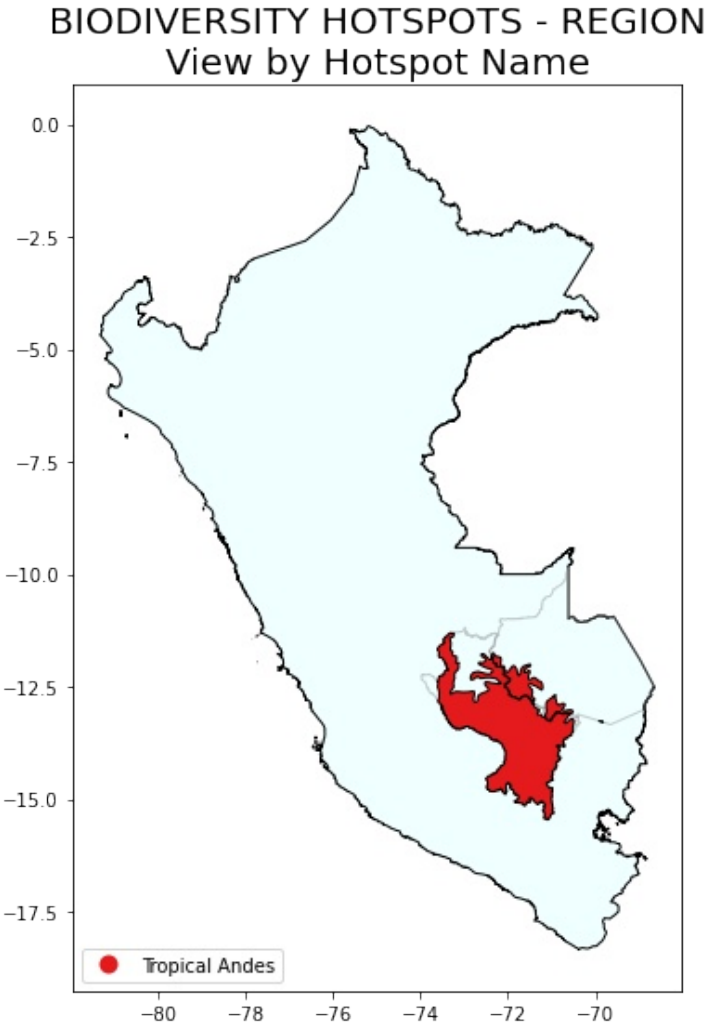


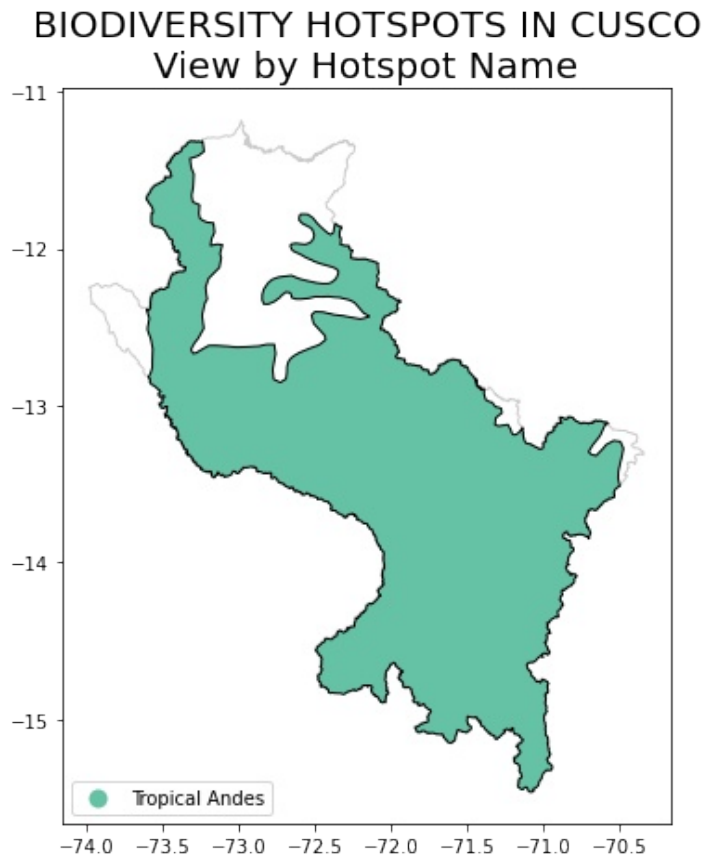

SOUTH AMERICA BIODIVERSITY HOTSPOTS
View by Hostspot Name
10
0
−10
−20
−30
−40
−50
−80
−70
−60
−50
−40
Atlantic Forest
Cerrado
Chilean Winter Rainfall and Valdivian Forests
Mesoamerica
Tropical Andes
Tumbes-Choco-Magdalena

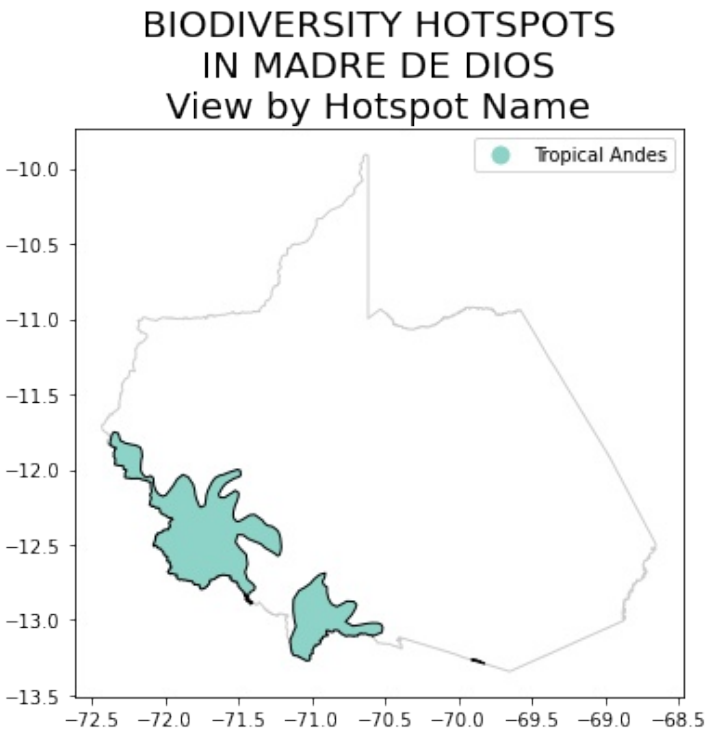

SOUTH AMERICA BIODIVERSITY HOTSPOTS
View by Hostspot Type
10
0
−10
−20
−30
−40
−50
−80
−70
−60
−50
−40
hotspot area
outer limit

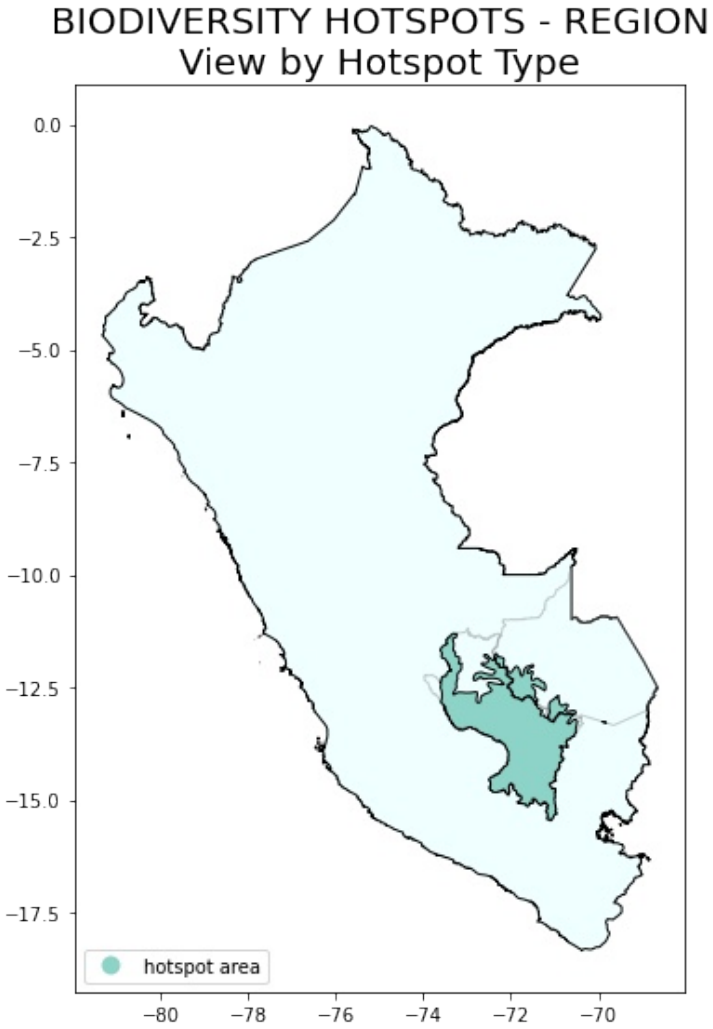

PERUVIAN BIODIVERSITY HOTSPOTS
View by Hostspot Name
0.0
−2.5
−5.0
−7.5
−10.0
−12.5
−15.0
−17.5
−80
−78
−76
−74
−72
−70
Tropical Andes
Tumbes-Choco-Magdalena

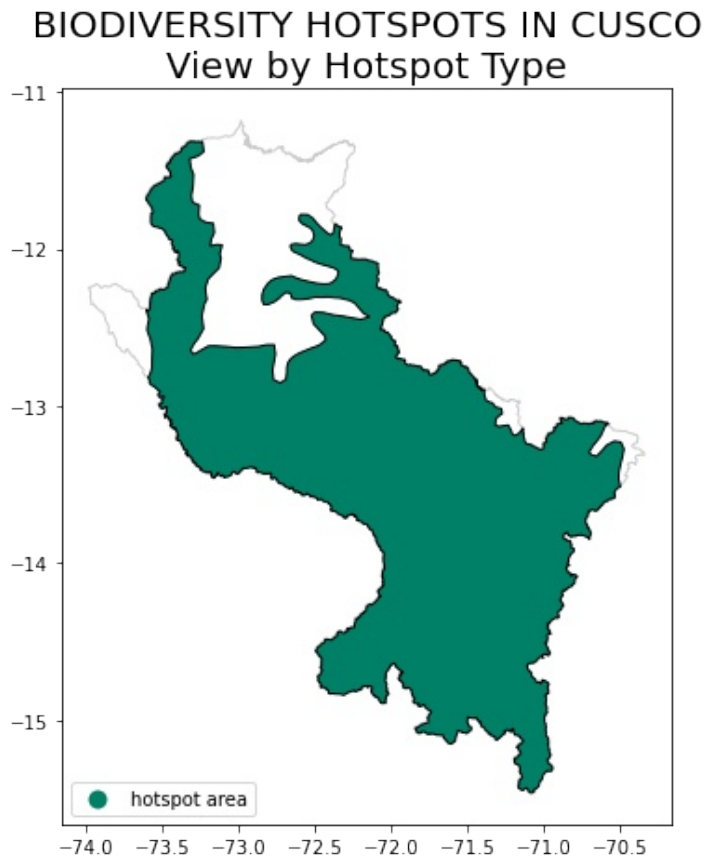

PERUVIAN BIODIVERSITY HOTSPOTS
View by Hostspot Type
0.0
−2.5
−5.0
−7.5
−10.0
−12.5
−15.0
−17.5
−80
−78
−76
−74
−72
−70
hotspot area
outer limit

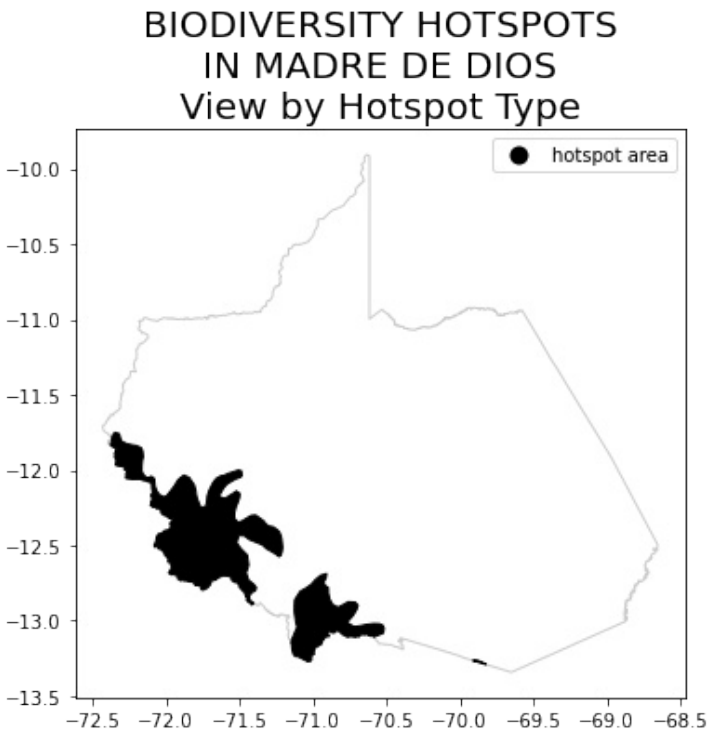

BIODIVERSITY HOTSPOTS - REGION
View by Hotspot Name
Tropical Andes
0.0
−2.5
−5.0
−7.5
−10.0
−12.5
−15.0
−17.5
−80
−78
−76
−74
−72
−70


BIODIVERSITY HOTSPOTS IN CUSCO
View by Hotspot Name
Tropical Andes
−11
−12
−13
−14
−15
−74.0
−73.5
−73.0
−72.5
−72.0
−71.5
−71.0
−70.5


BIODIVERSITY HOTSPOTS
IN MADRE DE DIOS
View by Hotspot Name
Tropical Andes
−10.0
−10.5
−11.0
−11.5
−12.0
−12.5
−13.0
−13.5
−72.5
−72.0
−71.5
−71.0
−70.5
−70.0
−69.5
−69.0
−68.5

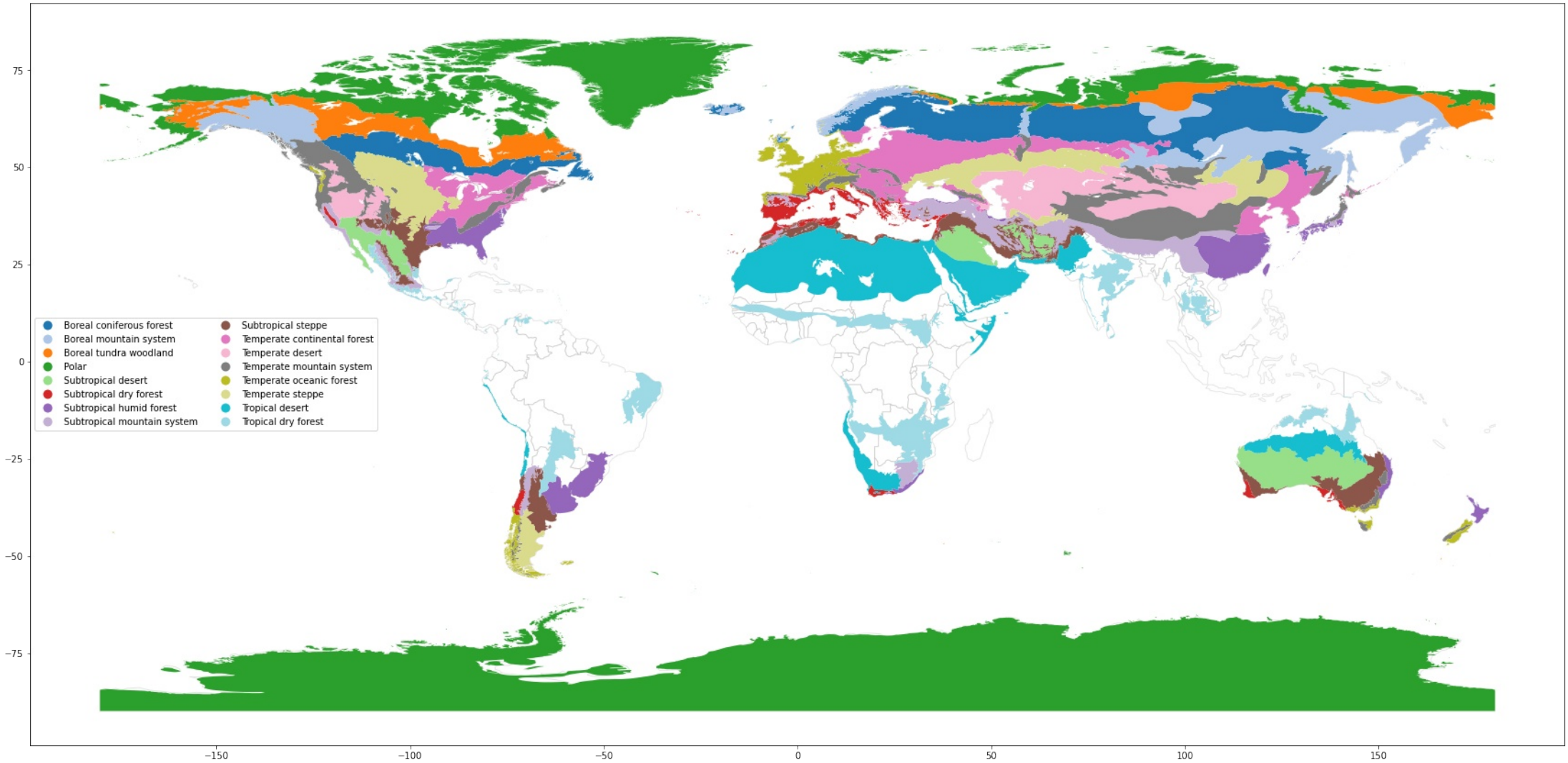

BIODIVERSITY HOTSPOTS - REGION
View by Hotspot Type
hotspot area
0.0
−2.5
−5.0
−7.5
−10.0
−12.5
−15.0
−17.5
−80
−78
−76
−74
−72
−70

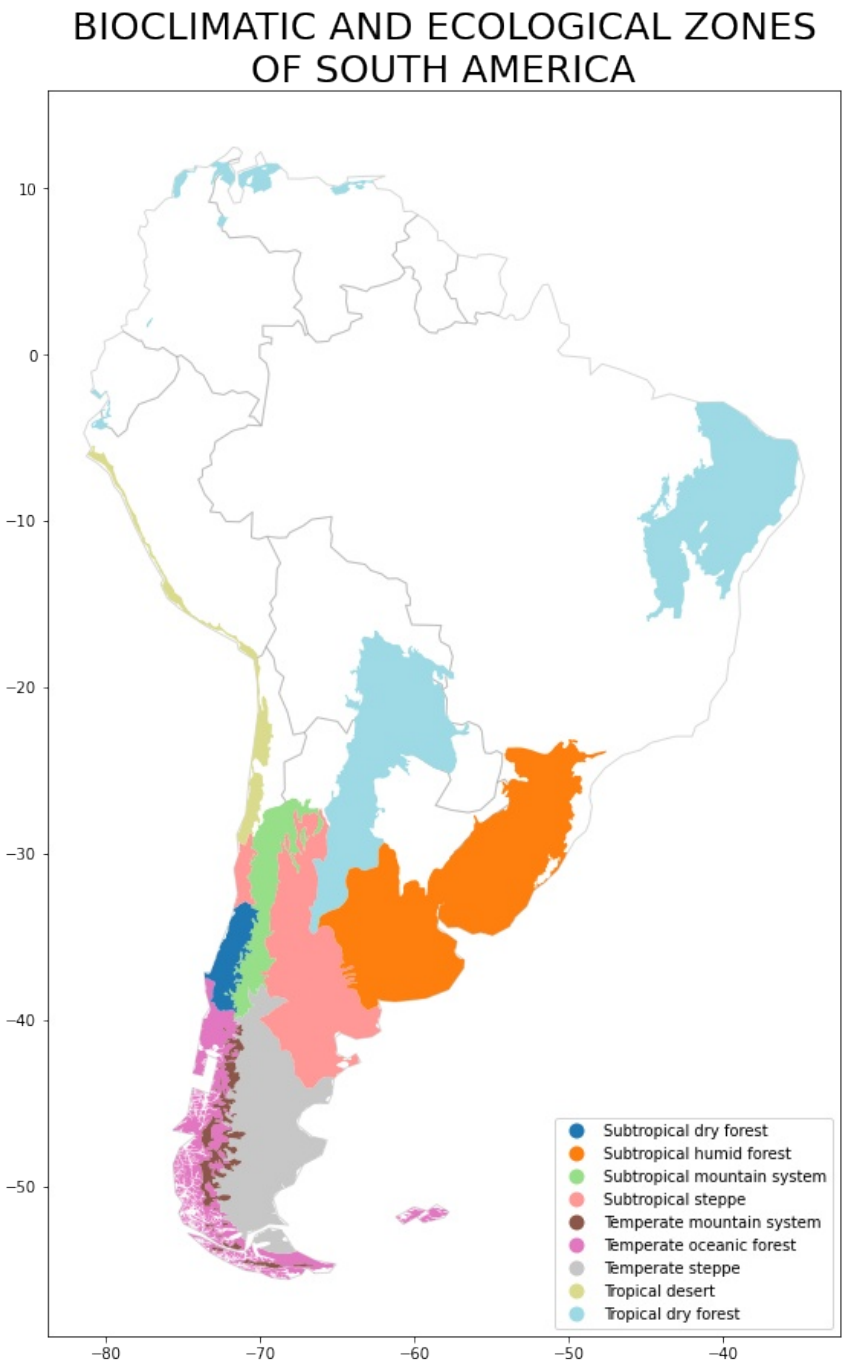

BIODIVERSITY HOTSPOTS IN CUSCO
View by Hotspot Type
hotspot area
−11
−12
−13
−14
−15
−74.0
−73.5
−73.0
−72.5
−72.0
−71.5
−71.0
−70.5

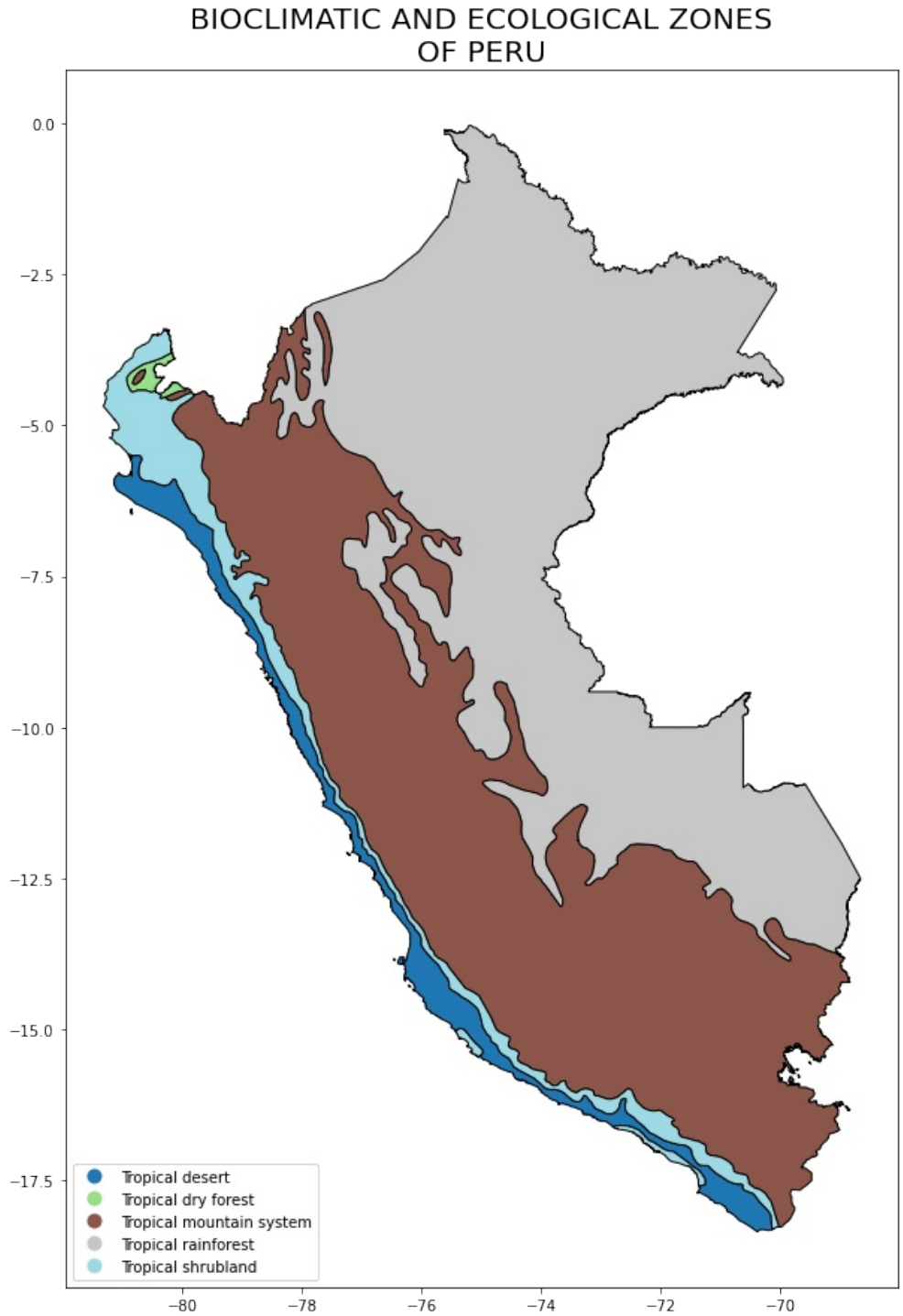

BIODIVERSITY HOTSPOTS
IN MADRE DE DIOS
View by Hotspot Type
hotspot area
−10.0
−10.5
−11.0
−11.5
−12.0
−12.5
−13.0
−13.5
−72.5
−72.0
−71.5
−71.0
−70.5
−70.0
−69.5
−69.0
−68.5

BIOCLIMATIC AND ECOLOGICAL ZONES

BIOCLIMATIC AND ECOLOGICAL ZONES OF THE WORLD

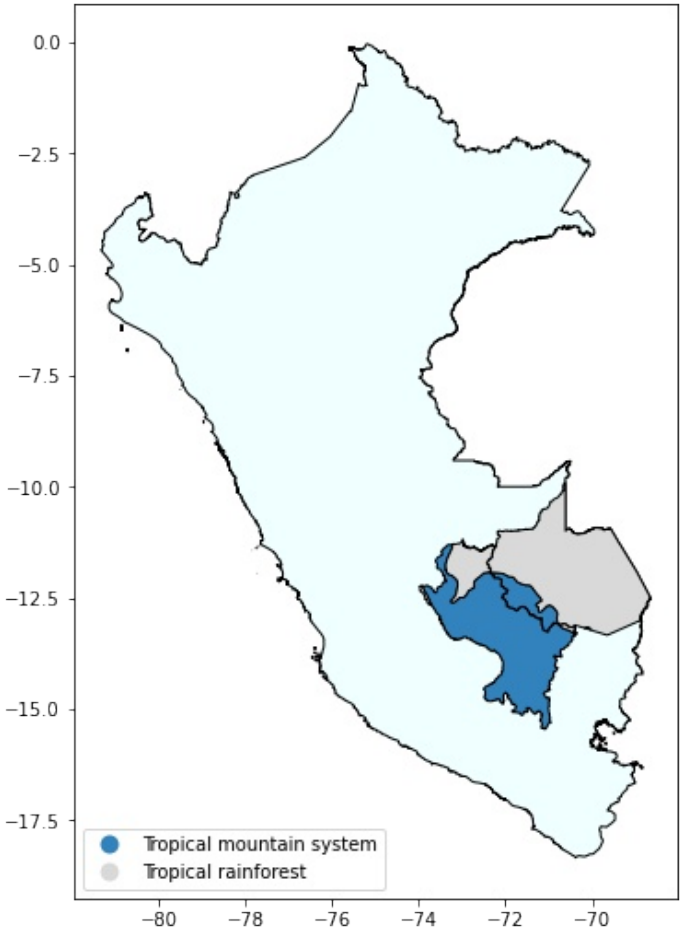




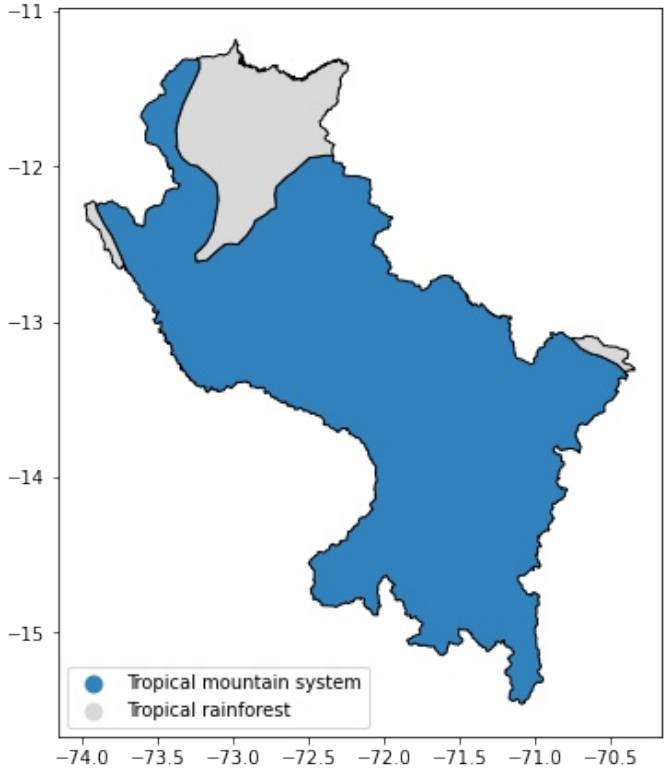


*** This dataset/map seems to have incomplete section in the Neotropics.**

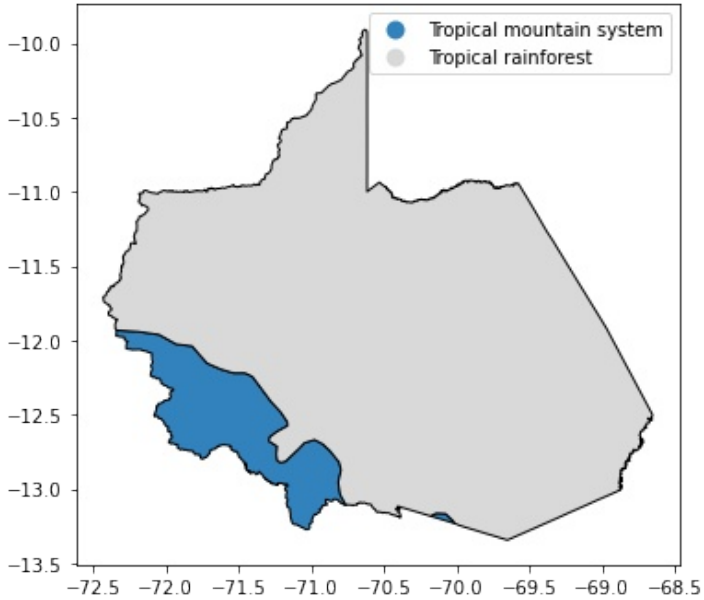
BIOCLIMATIC AND ECOLOGICAL ZONES OF PERU



BIOCLIMATIC AND ECOLOGICAL ZONES OF CUSCO

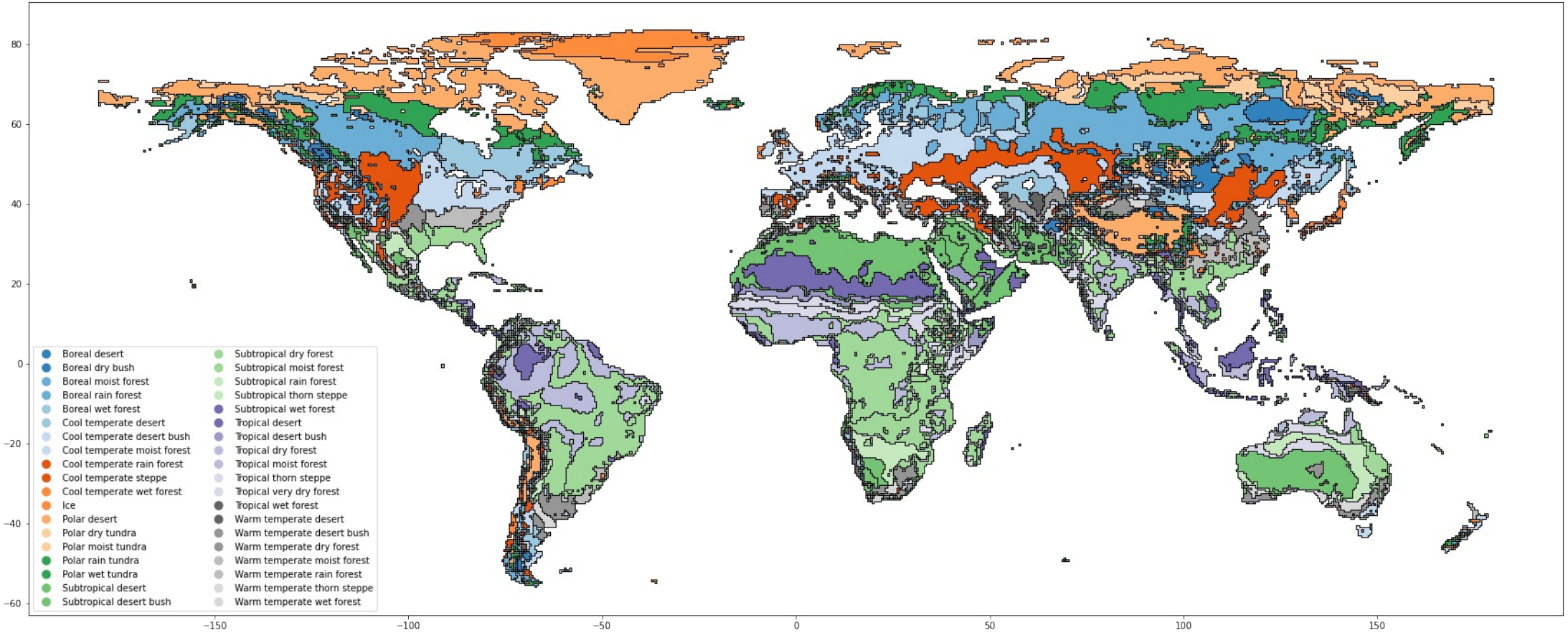


BIOCLIMATIC AND ECOLOGICAL ZONES OF MADRE DE DIOS

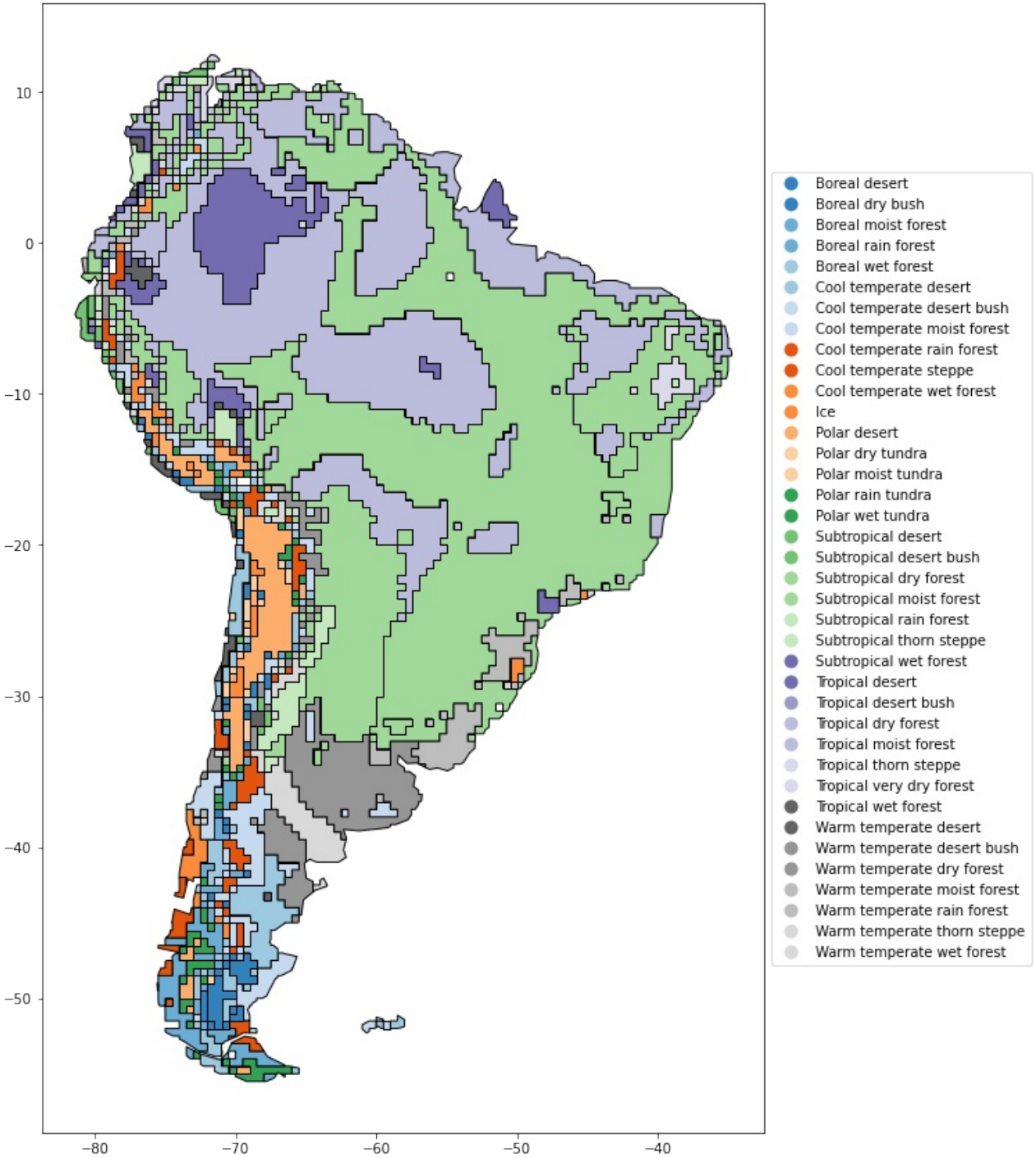


HOLDRIDGE LIFE ZONES

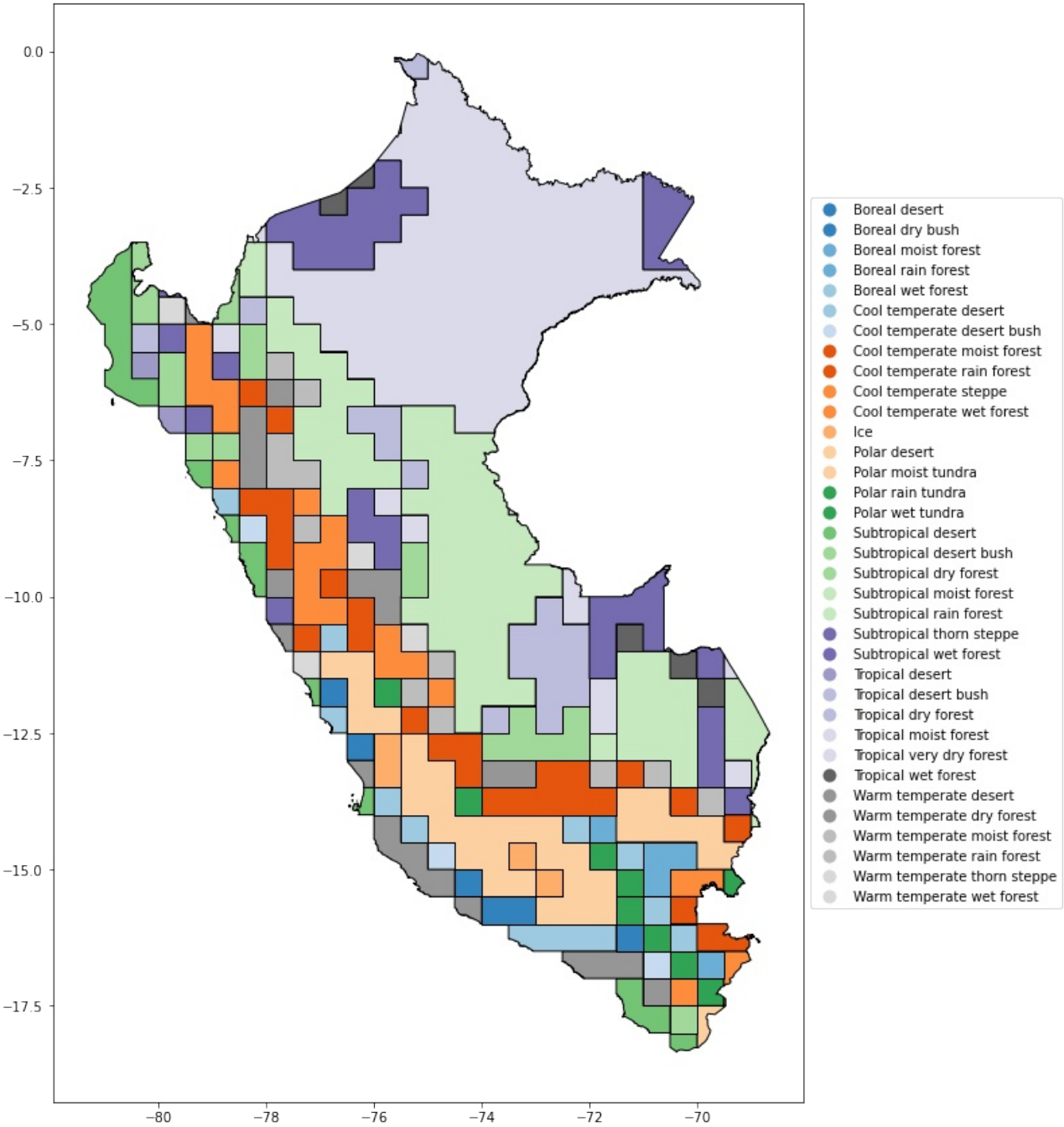
WORLD HOLDRIDGE LIFE ZONES



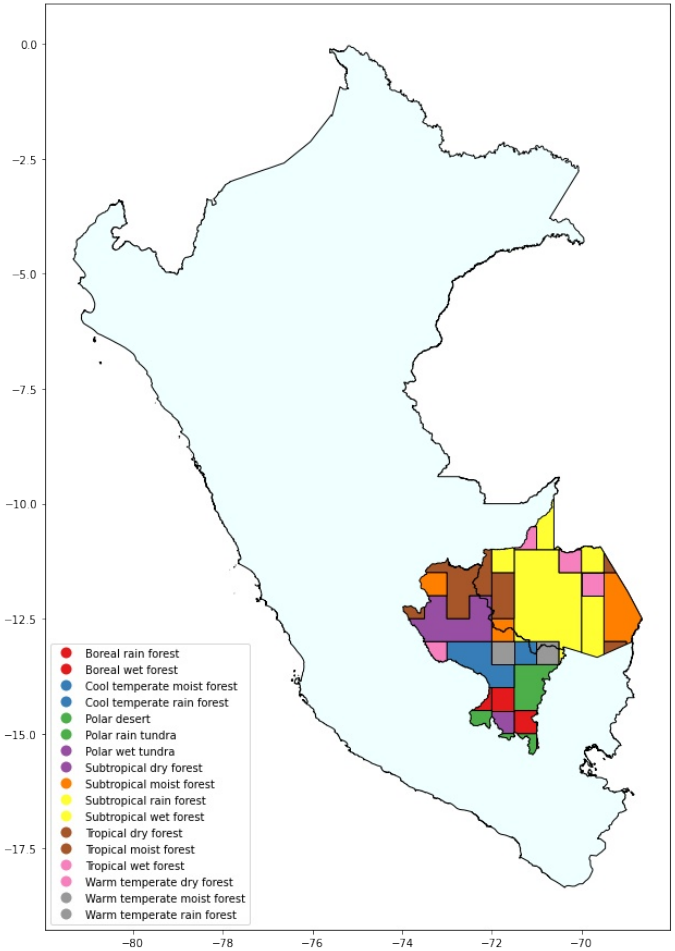
HOLDRIDGE LIFE ZONES OF SOUTH AMERICA



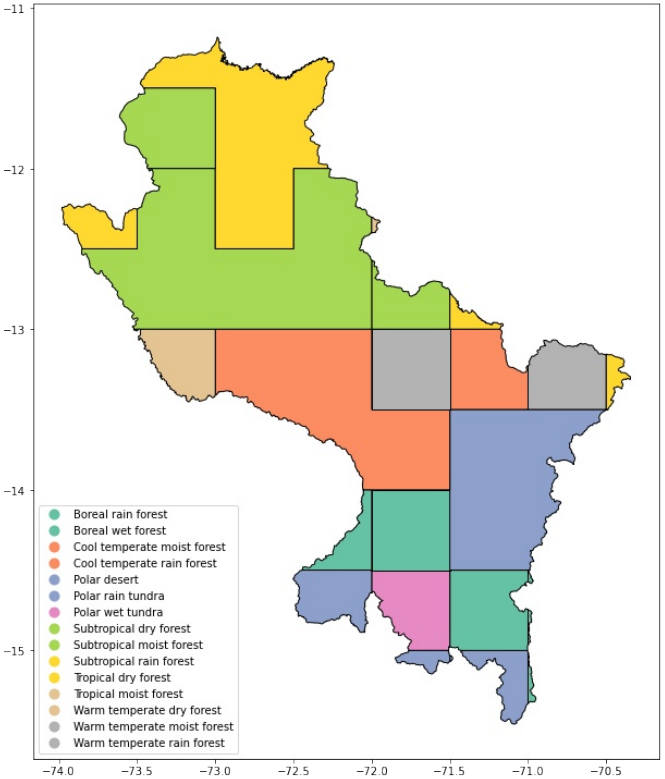
HOLDRIDGE LIFE ZONES OF PERU



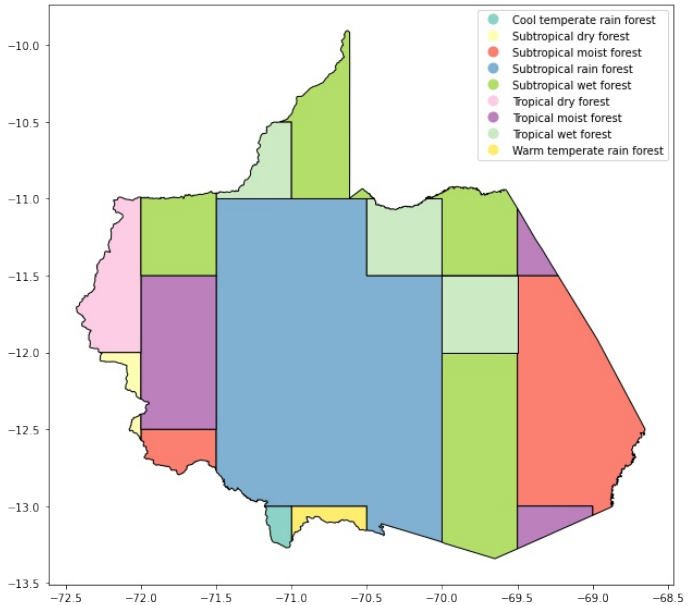
HOLDRIDGE LIFE ZONES - REGION



HOLDRIDGE LIFE ZONES
OF CUSCO



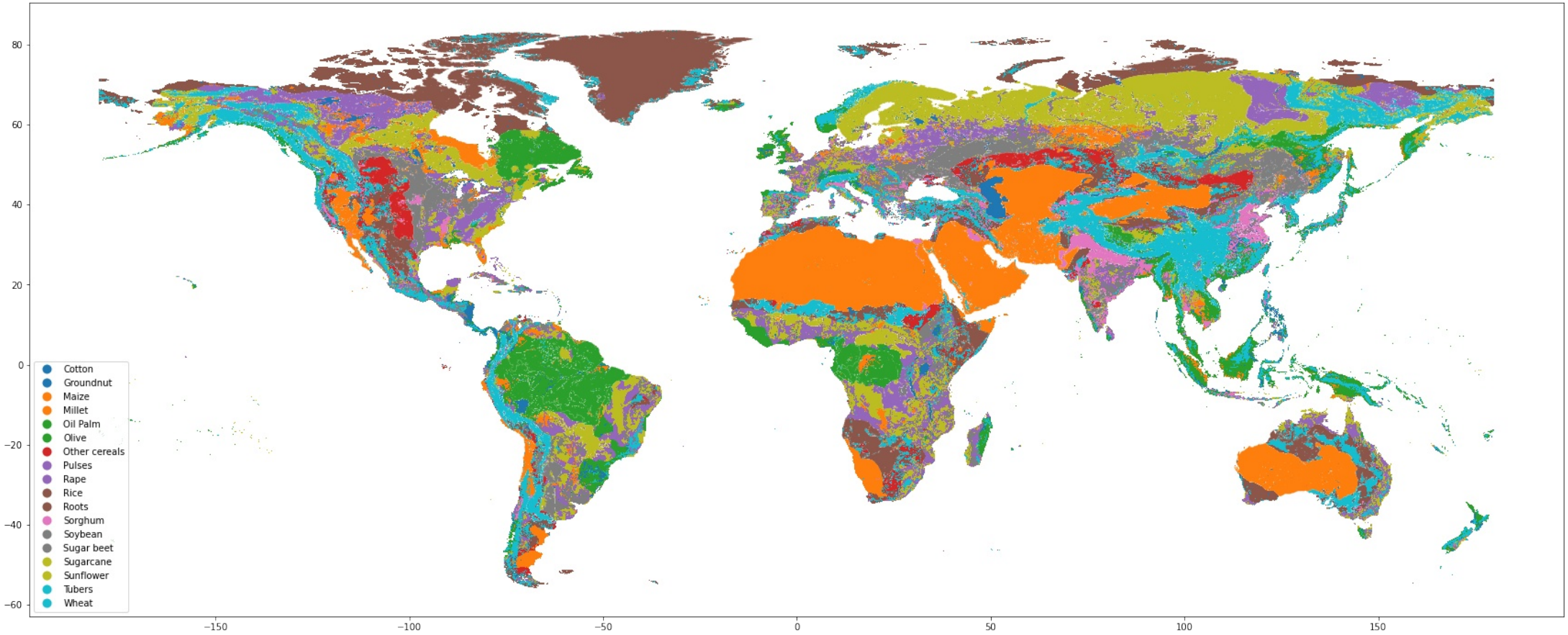
HOLDRIDGE LIFE ZONES
IN MADRE DE DIOS

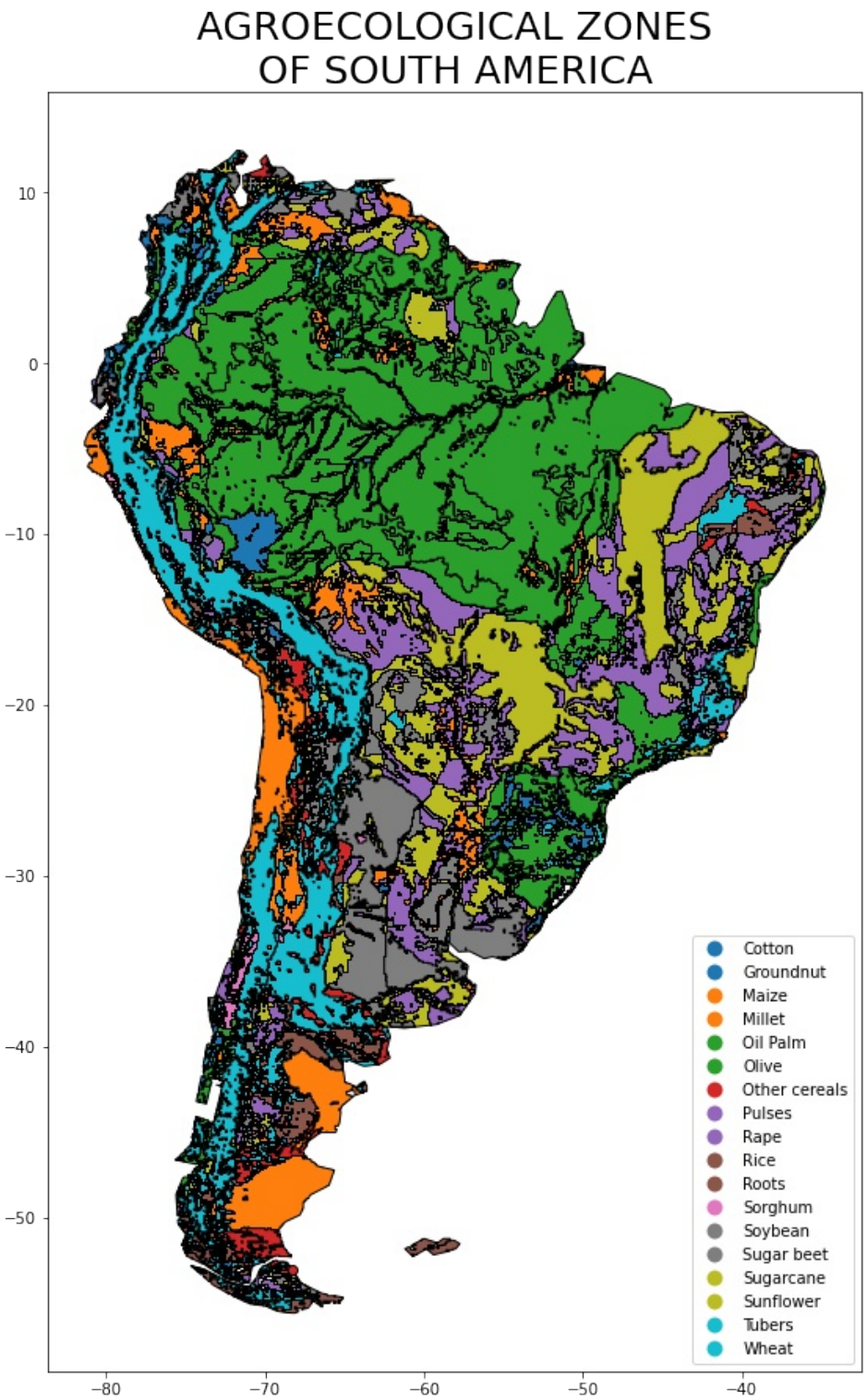


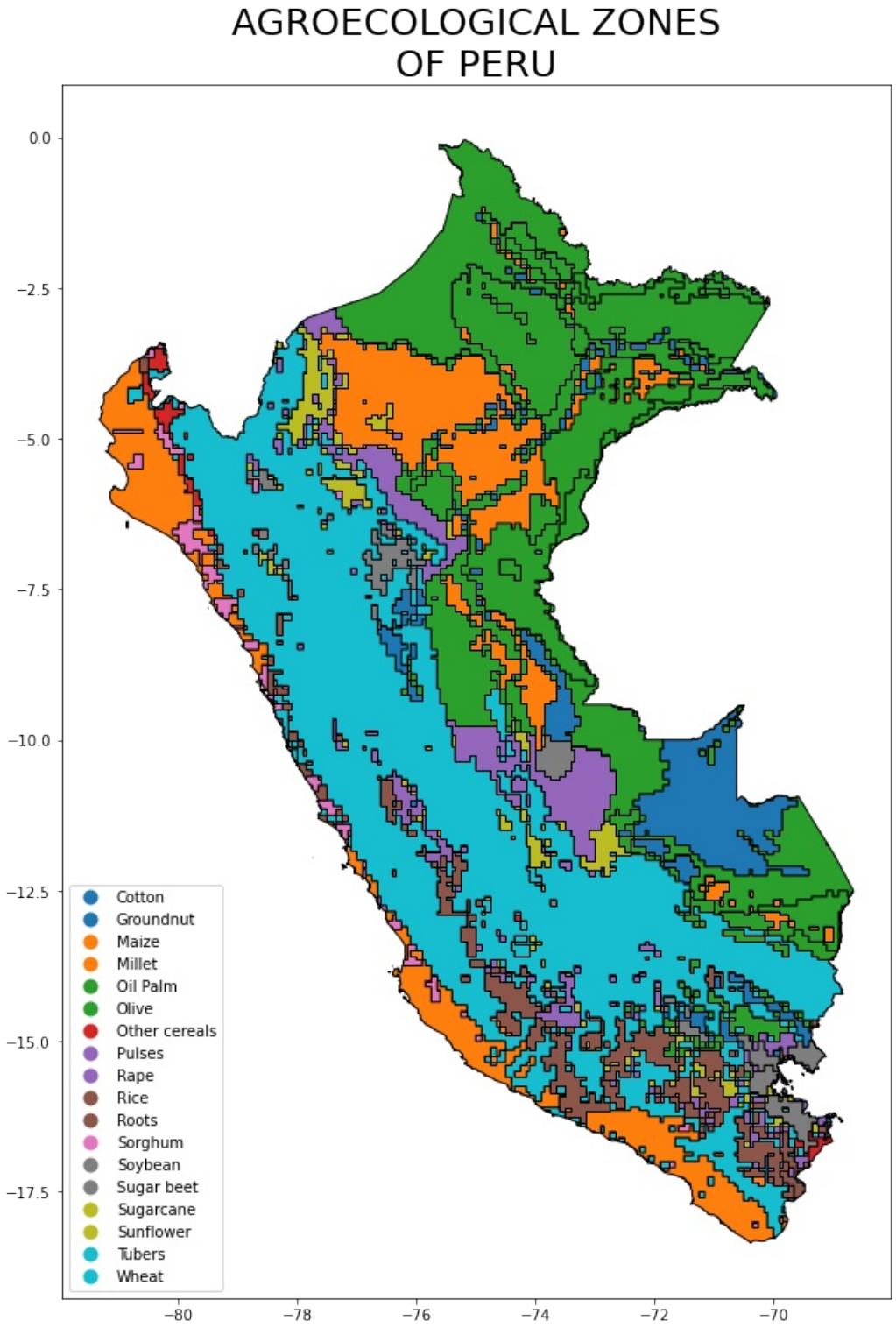
AGRO ECOLOGICAL ZONES

(Based on crops)

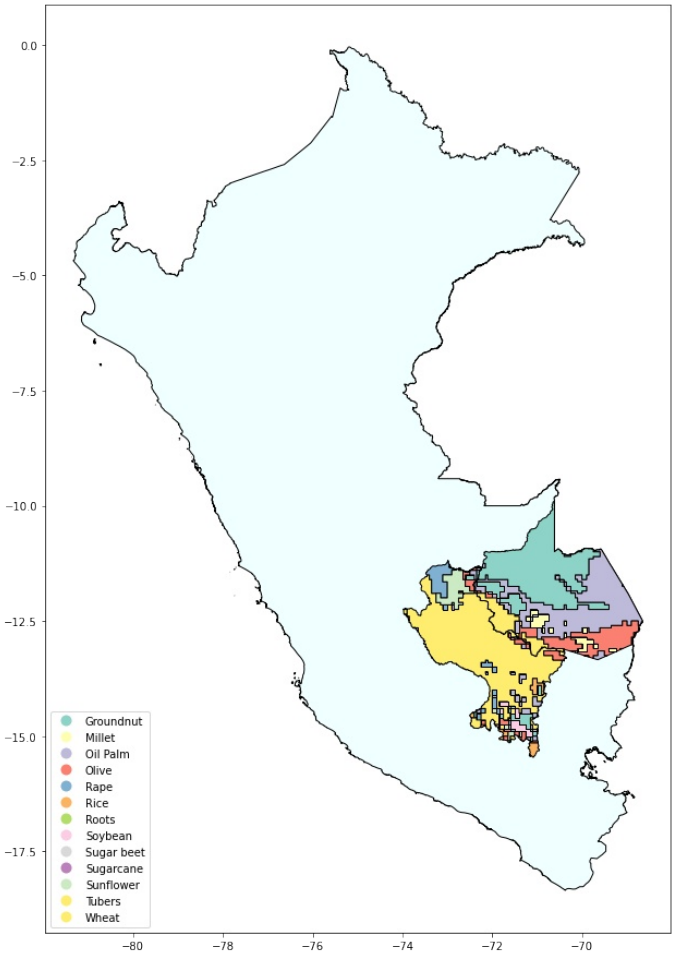
GLOABL AGROECOLOGICAL ZONES MAP



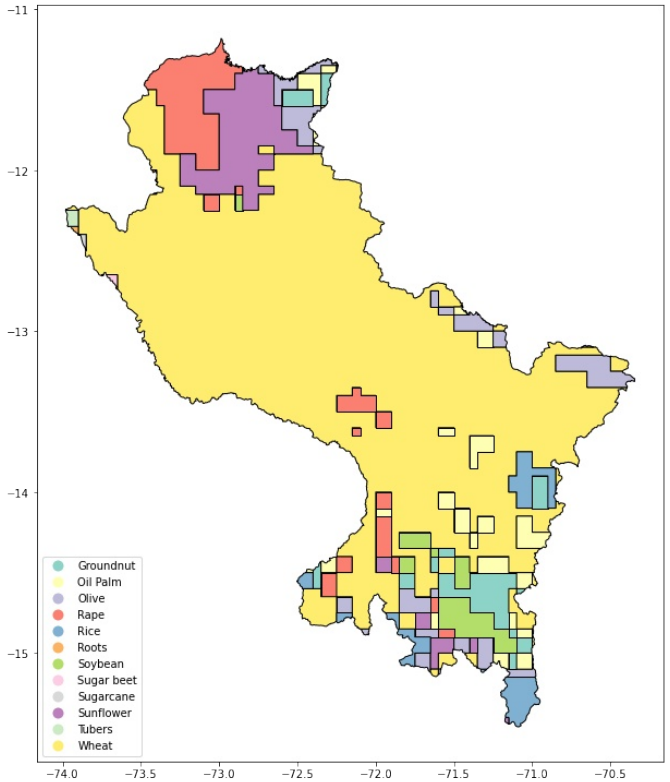

AGROECOLOGICAL ZONES
OF SOUTH AMERICA
10
0
−10
−20
−30
−40
−50
−80
−70
−60
−50
−40
Cotton
Groundnut
Maize
Millet
Oil Palm
Olive
Other cereals
Pulses
Rape
Rice
Roots
Sorghum
Soybean
Sugar beet
Sugarcane
Sunflower
Tubers
Wheat


AGROECOLOGICAL ZONES
OF PERU
0.0
−2.5
−5.0
−7.5
−10.0
−12.5
−15.0
−17.5
−80
−78
−76
−74
−72
−70
Cotton
Groundnut
Maize
Millet
Oil Palm
Olive
Other cereals
Pulses
Rape
Rice
Roots
Sorghum
Soybean
Sugar beet
Sugarcane
Sunflower
Tubers
Wheat

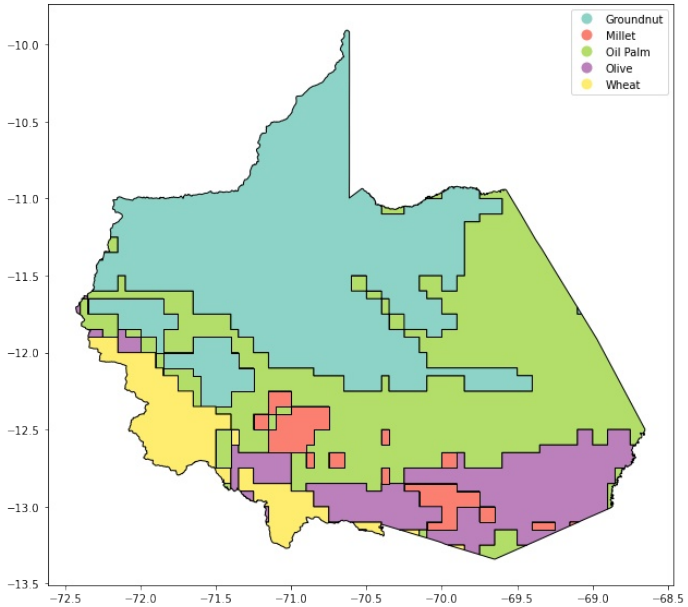
AGROECOLOGICAL ZONES - REGION



AGROECOLOGICAL ZONES
OF CUSCO

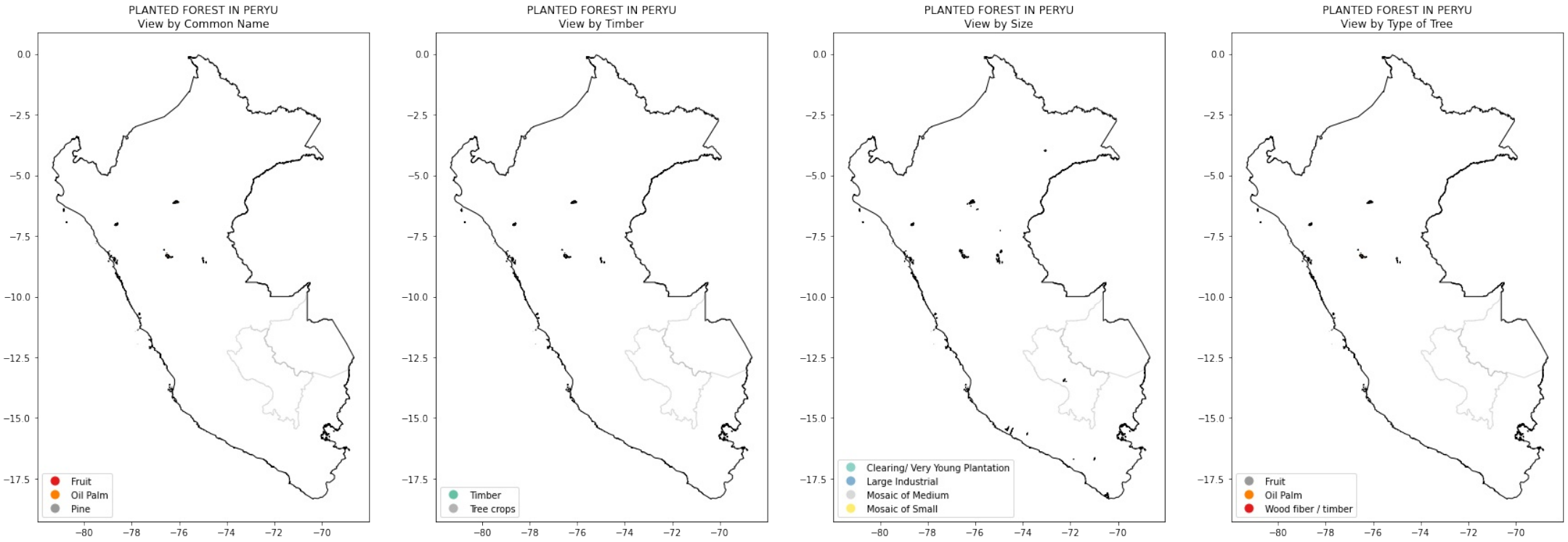


AGROECOLOGICAL ZONES
IN MADRE DE DIOS

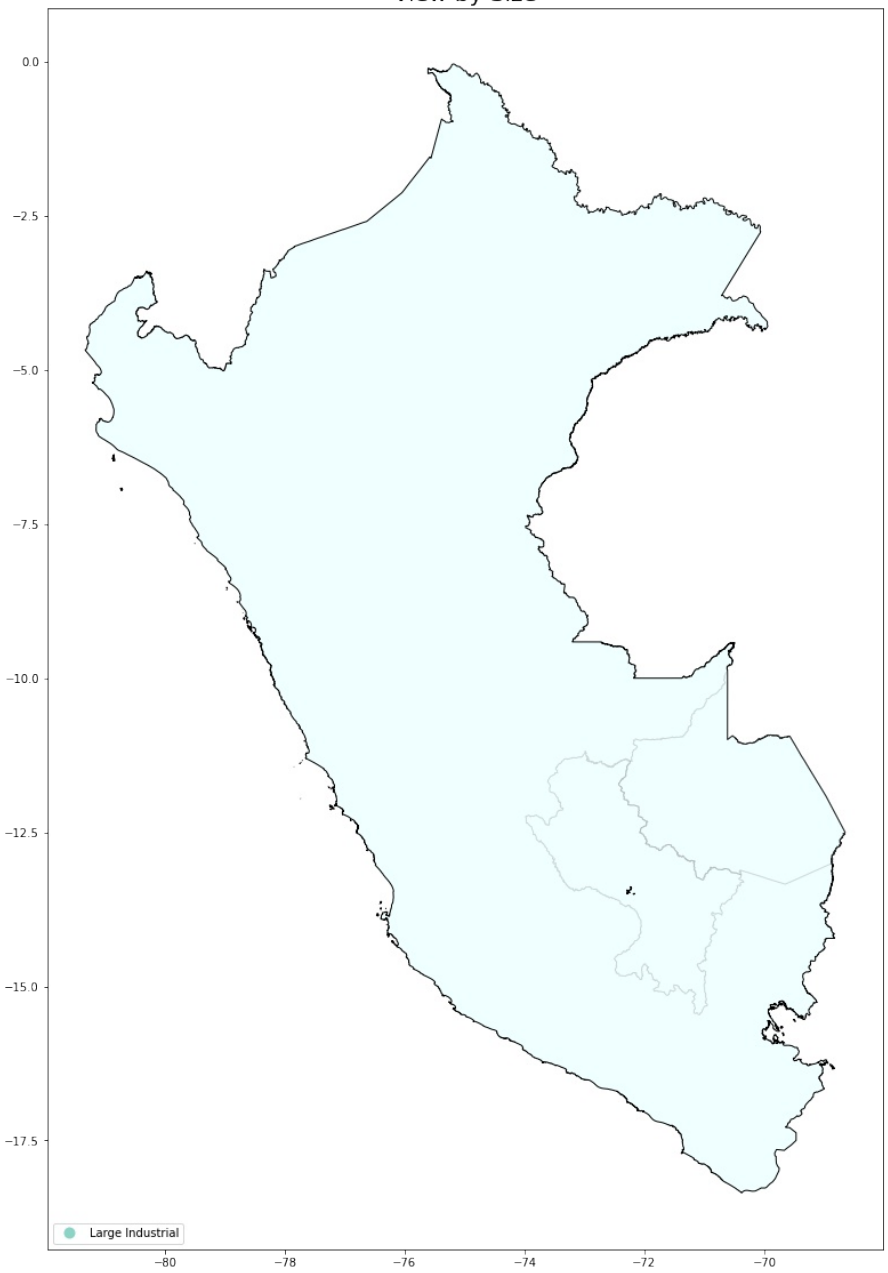


PLANTED FOREST

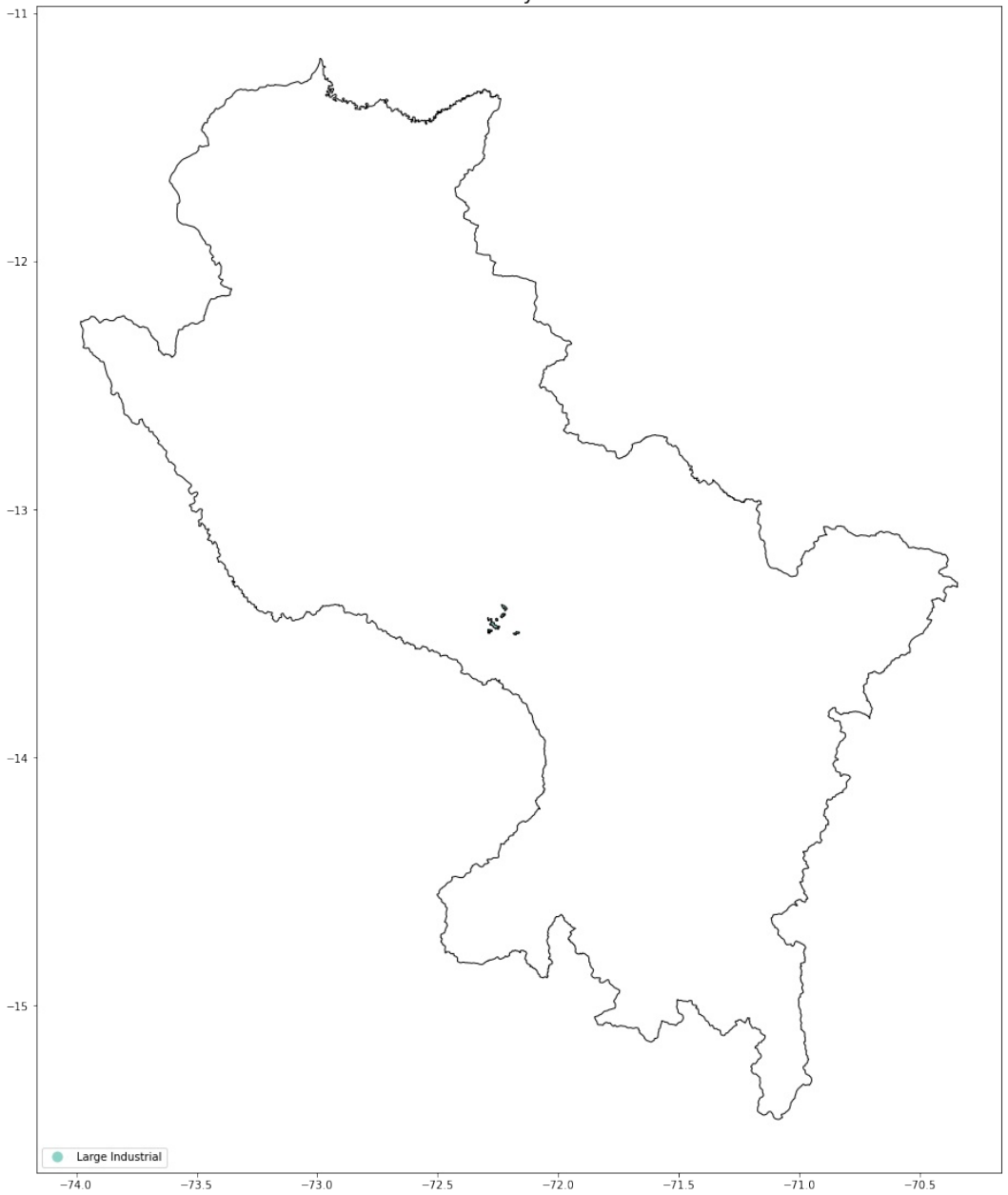
(Dataset only for Peru)


PLANTED FOREST IN PERYU
View by Common Name
Fruit
Oil Palm
Pine
PLANTED FOREST IN PERYU
View by Timber
Timber
Tree crops
PLANTED FOREST IN PERYU
View by Size
Clearing/ Very Young Plantation
Large Industrial
Mosaic of Medium
Mosaic of Small
PLANTED FOREST IN PERYU
View by Type of Tree
Fruit
Oil Palm
Wood fiber / timber
0.0
−2.5
−5.0
−7.5
−10.0
−12.5
−15.0
−17.5
−80
−78
−76
−74
−72
−70

PLANTED FOREST IN REGIONS
View by Size

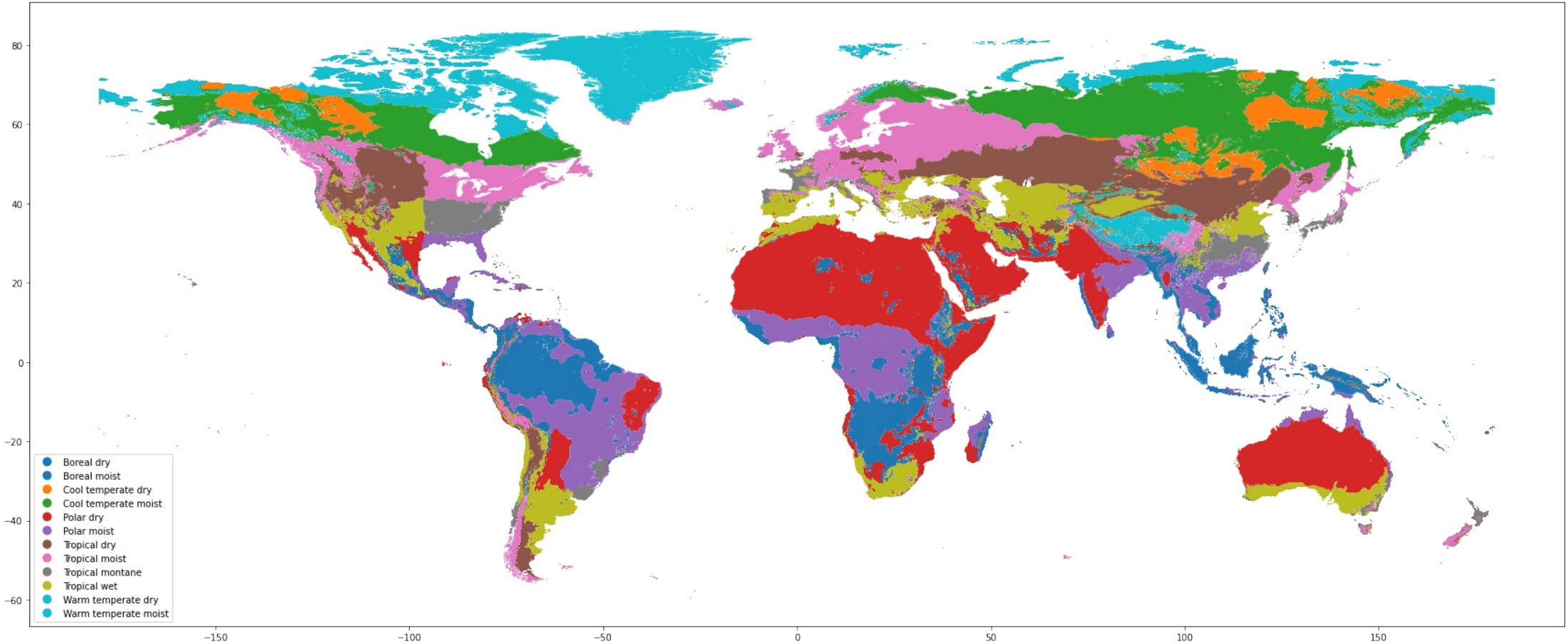


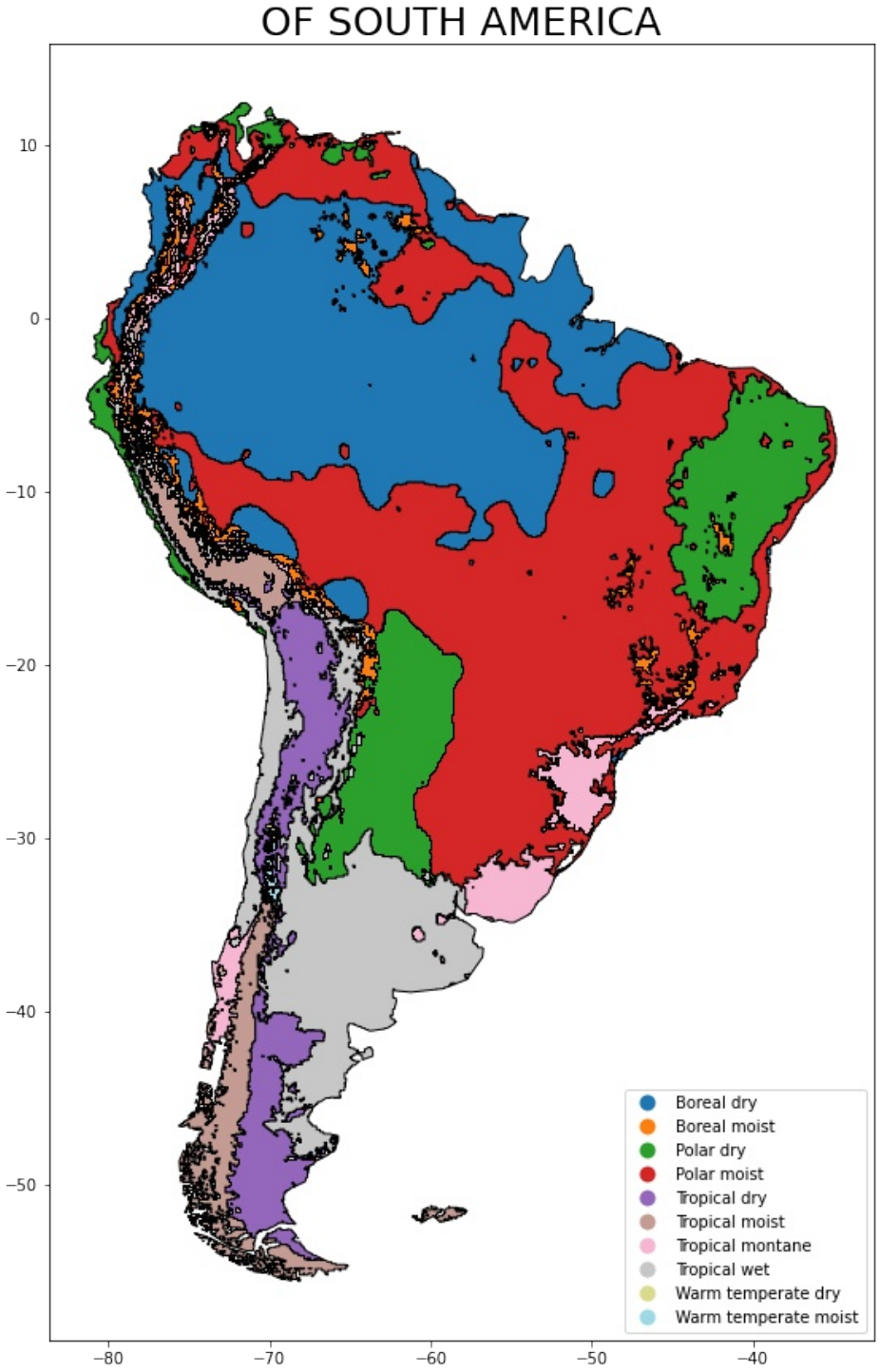
PLANTED FOREST IN CUSCO
View by Size

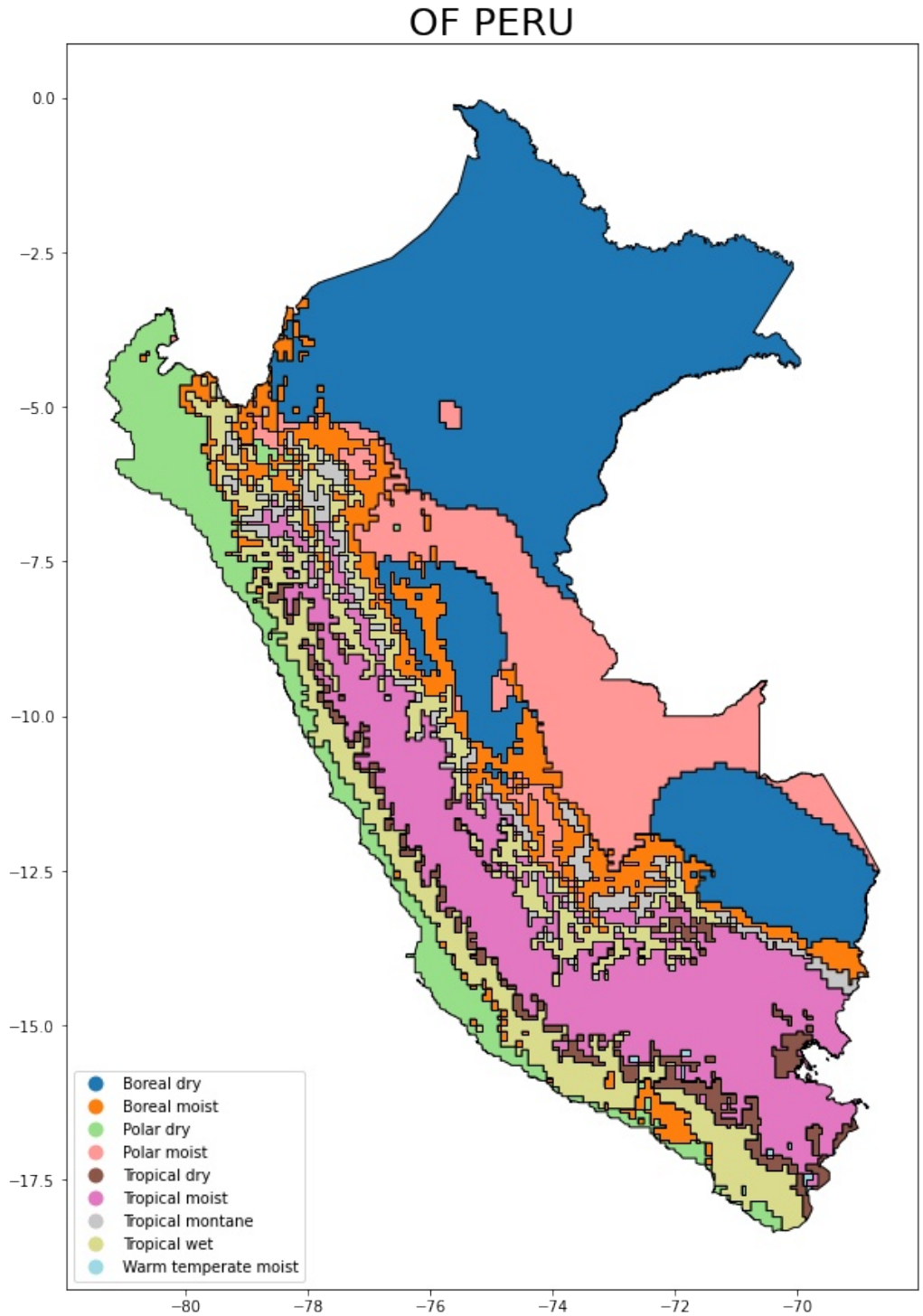


CLIMATE ZONES

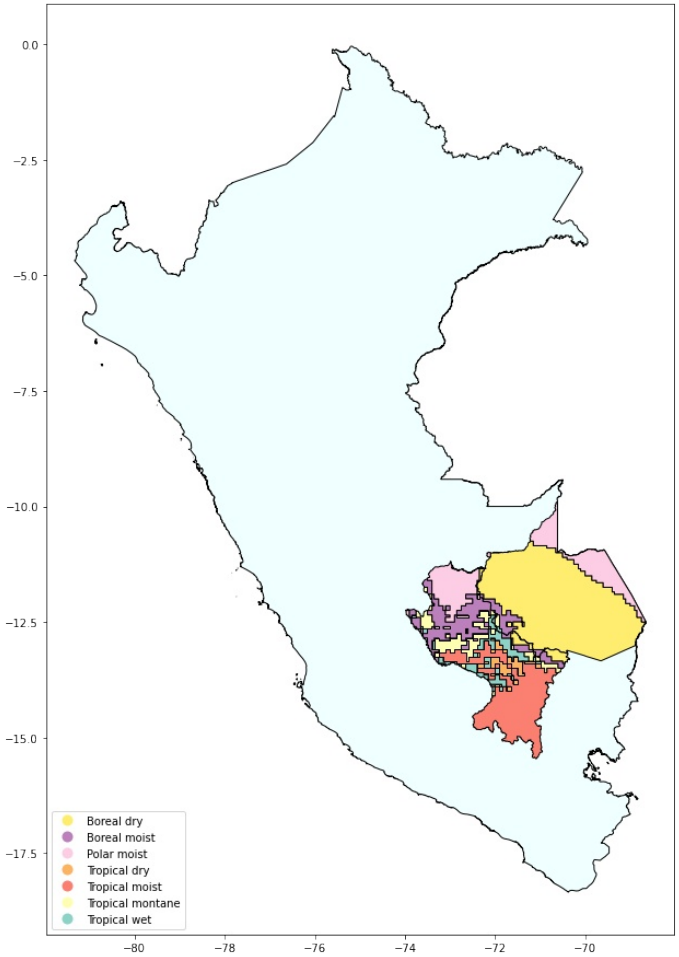
WORLD CLIMATE ZONE MAP



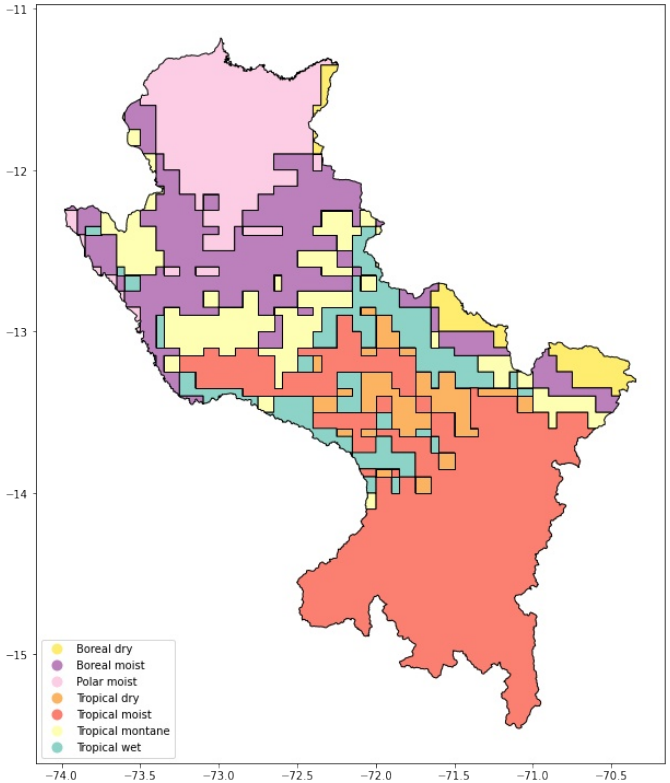

CLIMATE ZONES
OF SOUTH AMERICA
10
0
−10
−20
−30
−40
−50
−80
−70
−60
−50
−40
Boreal dry
Boreal moist
Polar dry
Polar moist
Tropical dry
Tropical moist
Tropical montane
Tropical wet
Warm temperate dry
Warm temperate moist


CLIMATE ZONES
OF PERU
0.0
−2.5
−5.0
−7.5
−10.0
−12.5
−15.0
−17.5
−80
−78
−76
−74
−72
−70
Boreal dry
Boreal moist
Polar dry
Polar moist
Tropical dry
Tropical moist
Tropical montane
Tropical wet
Warm temperate moist

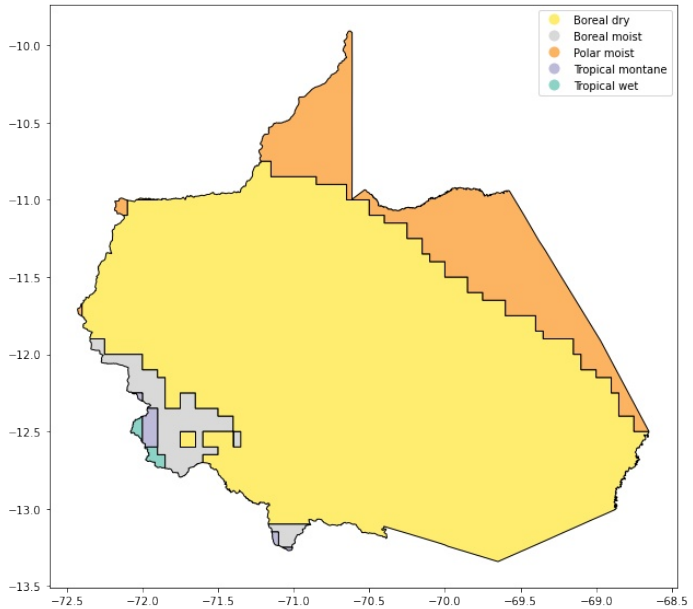
CLIMATIC ZONES IN THE REGION



CLIMATIC ZONES
IN CUSCO



CLIMATIC ZONES
IN MADRE DE DIOS

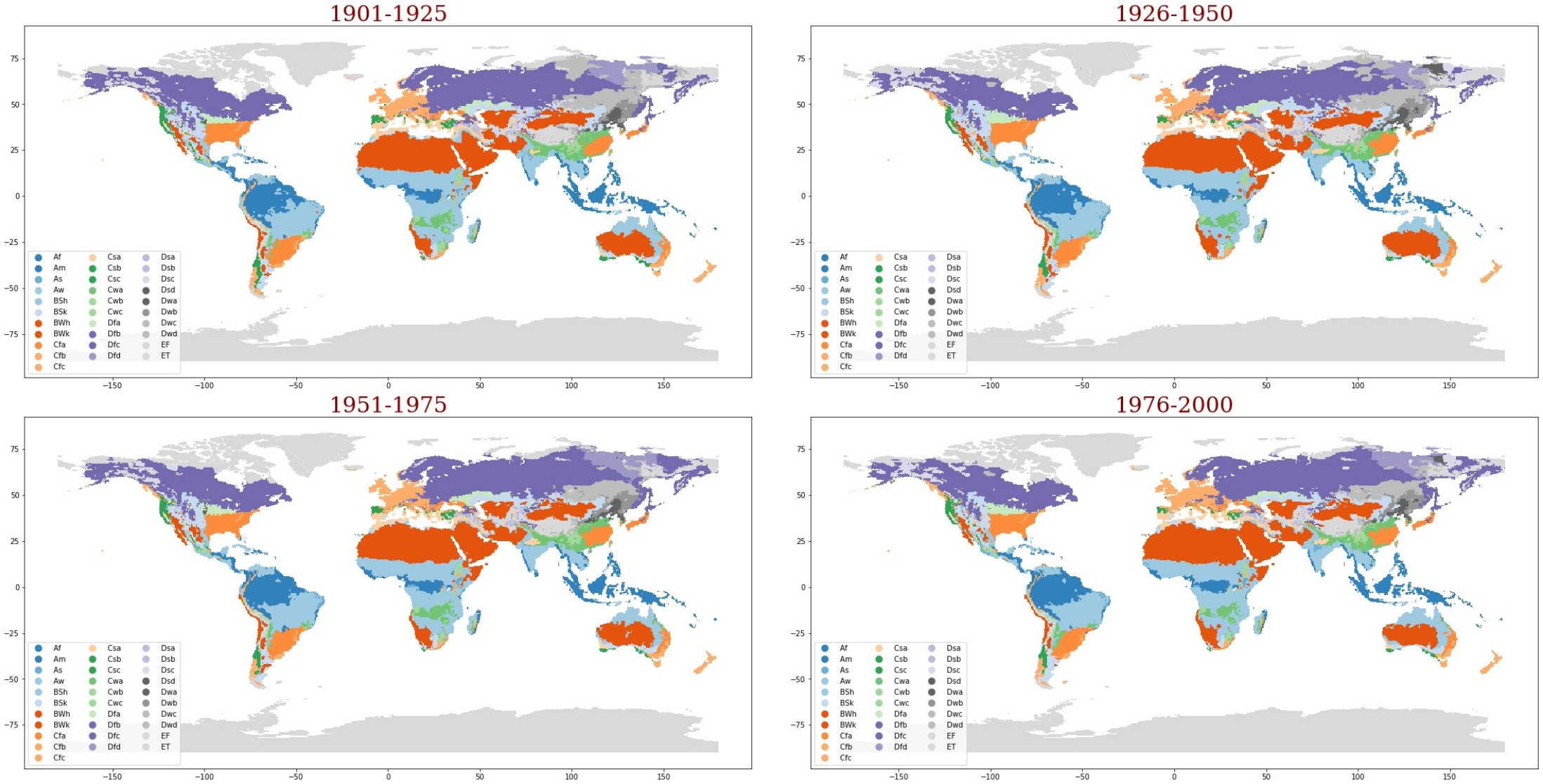


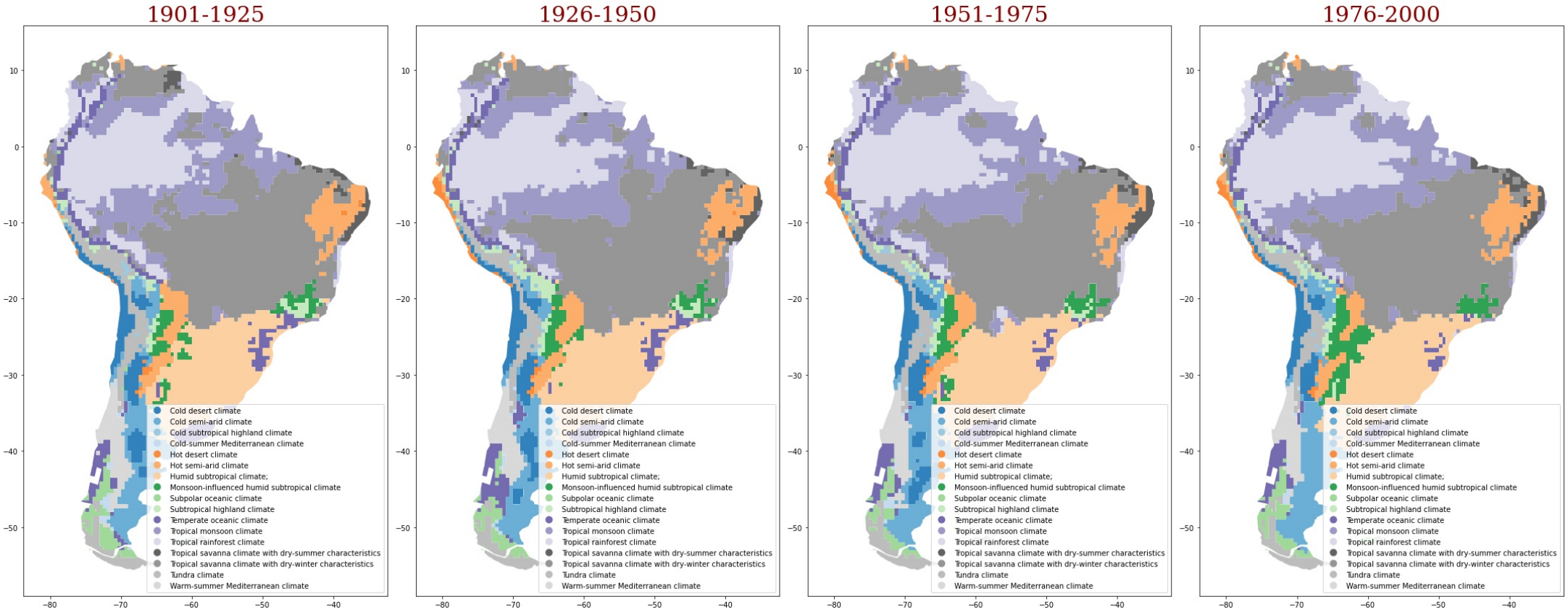
Koppen-Geiger Climate Changes (1901-2100)

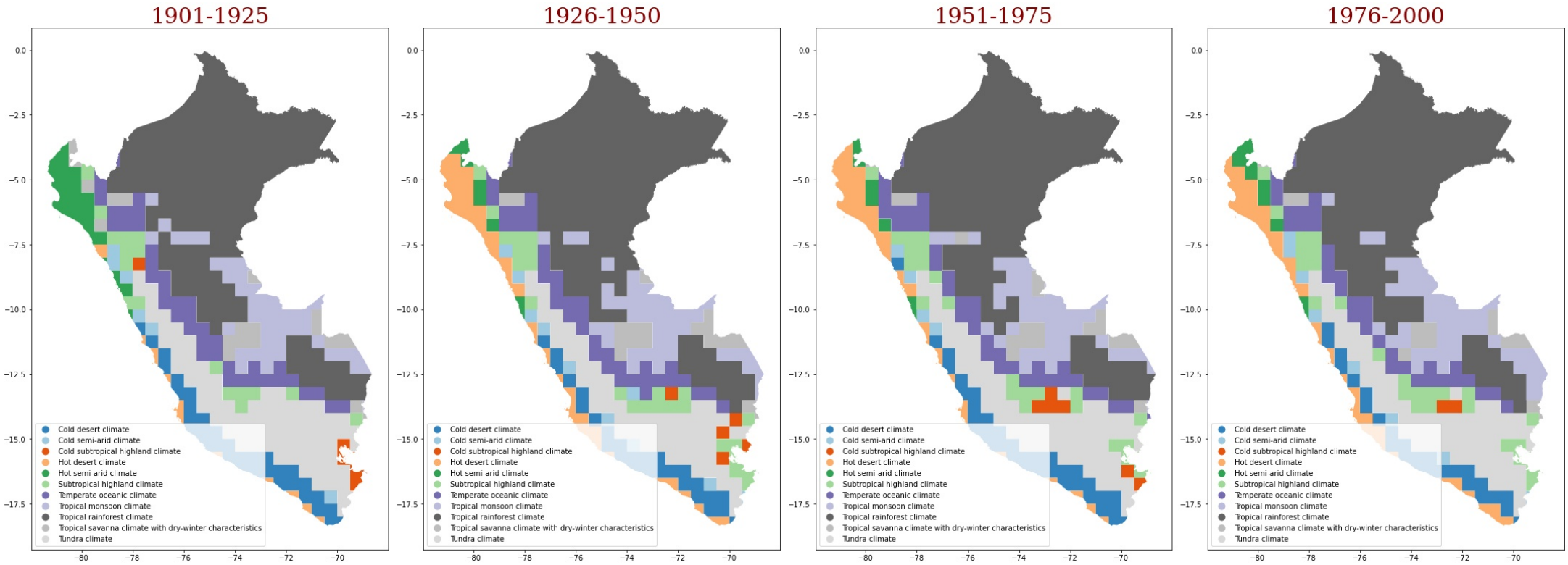
This section contains 5 different version based on observations (1901-2000) and Emision Scenarios.

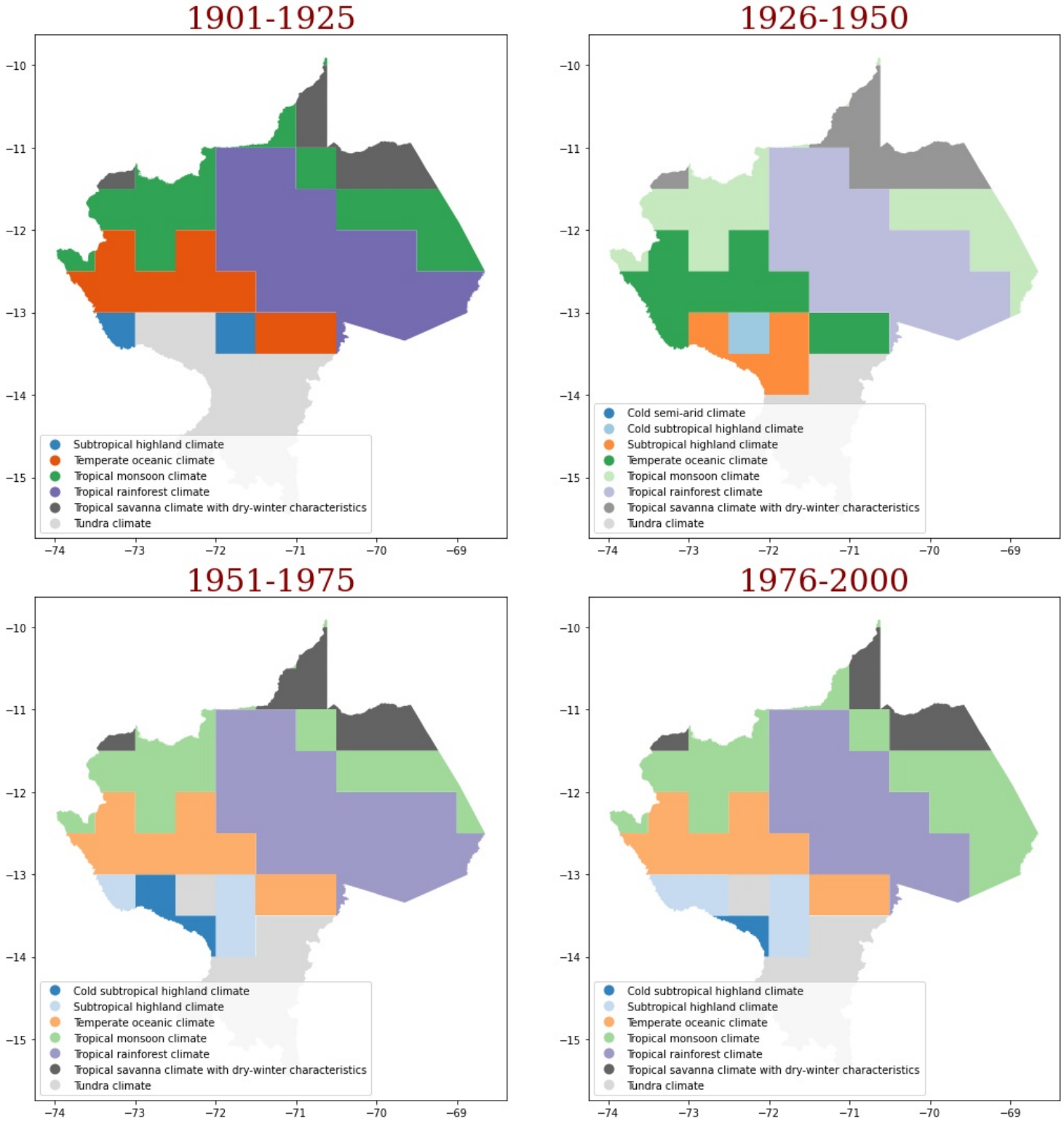
1. Shifts bases on observations (1901 - 2000)
2. A1FI Emision Scenarios
3. A2 Emision Scenario
4. B1 Emision Scenario
5. B2 Emissions Scenarios

1. Shifts bases on observations (1901 - 2000)

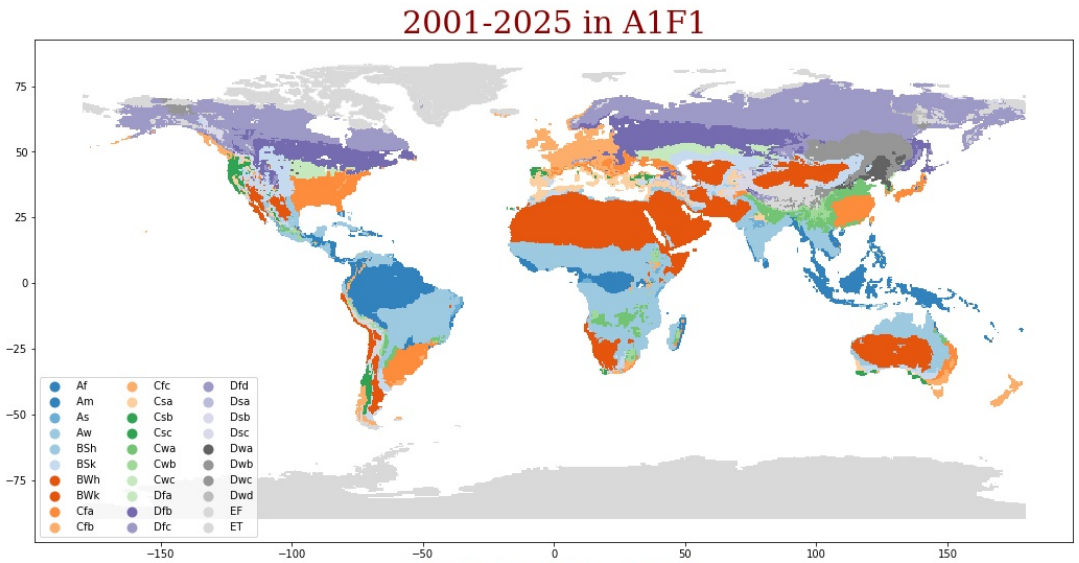


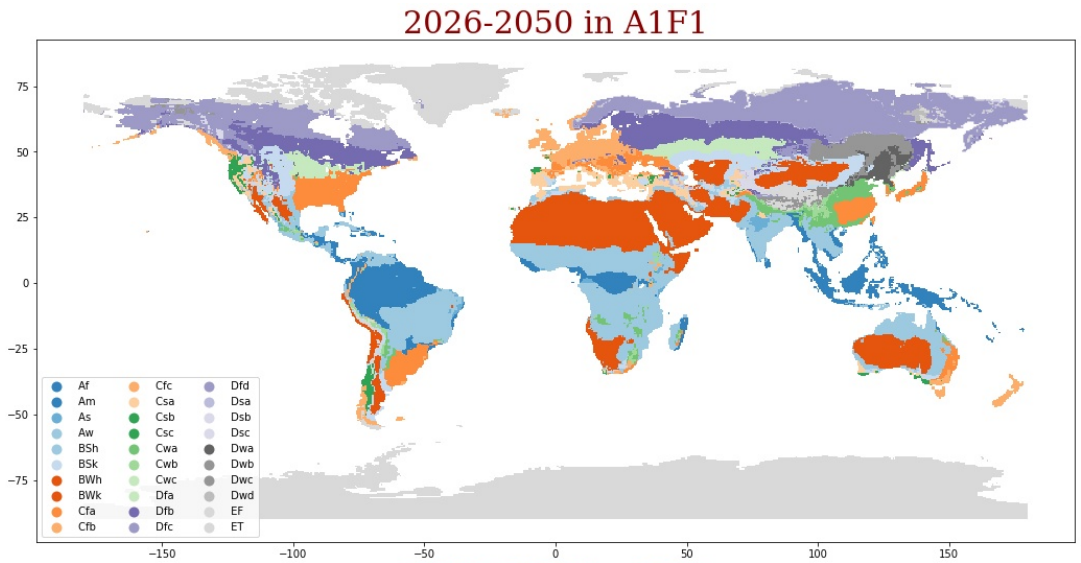

1901-1925
1926-1950
1951-1975
1976-2000
10
0
−10
−20
−30
−40
−50
−80
−70
−60
−50
−40
Cold desert climate
Cold semi-arid climate
Cold subtropical highland climate
Cold-summer Mediterranean climate
Hot desert climate
Hot semi-arid climate
Humid subtropical climate;
Monsoon-influenced humid subtropical climate
Subpolar oceanic climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-summer characteristics
Tropical savanna climate with dry-winter characteristics
Tundra climate
Warm-summer Mediterranean climate

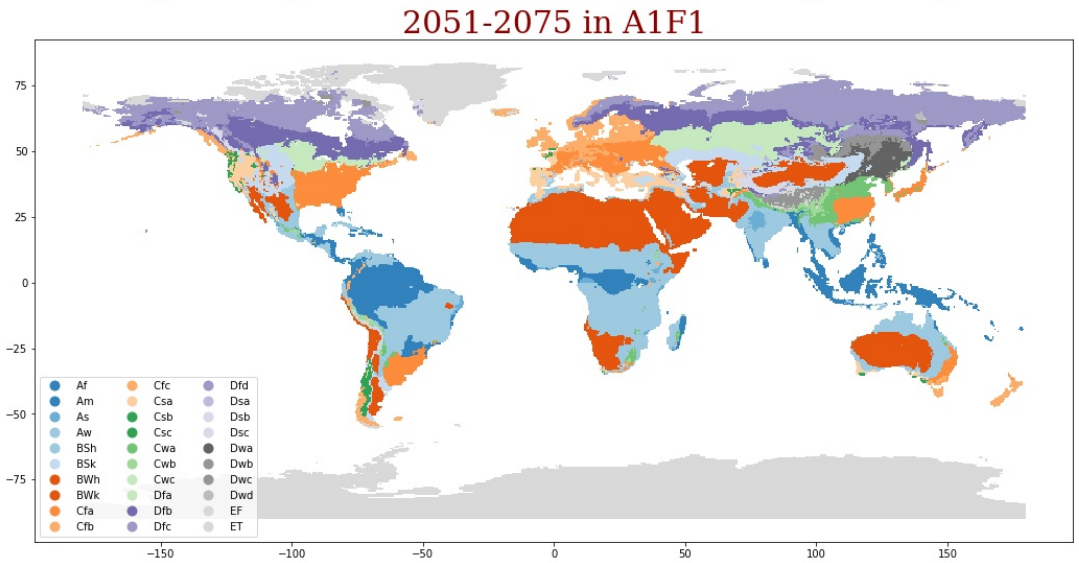

1901-1925
1926-1950
1951-1975
1976-2000
0.0
−2.5
−5.0
−7.5
−10.0
−12.5
−15.0
−17.5
−80
−78
−76
−74
−72
−70
Cold desert climate
Cold semi-arid climate
Cold subtropical highland climate
Hot desert climate
Hot semi-arid climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate

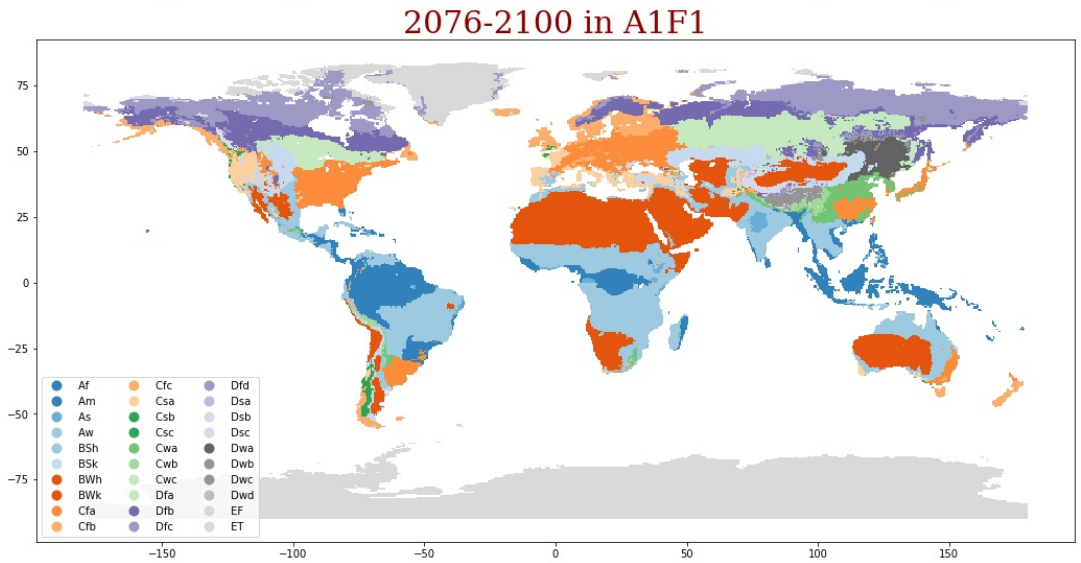

1901-1925
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate
1926-1950
Cold semi-arid climate
Cold subtropical highland climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate
1951-1975
Cold subtropical highland climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate
1976-2000
Cold subtropical highland climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate
−10
−11
−12
−13
−14
−15
−74
−73
−72
−71
−70
−69

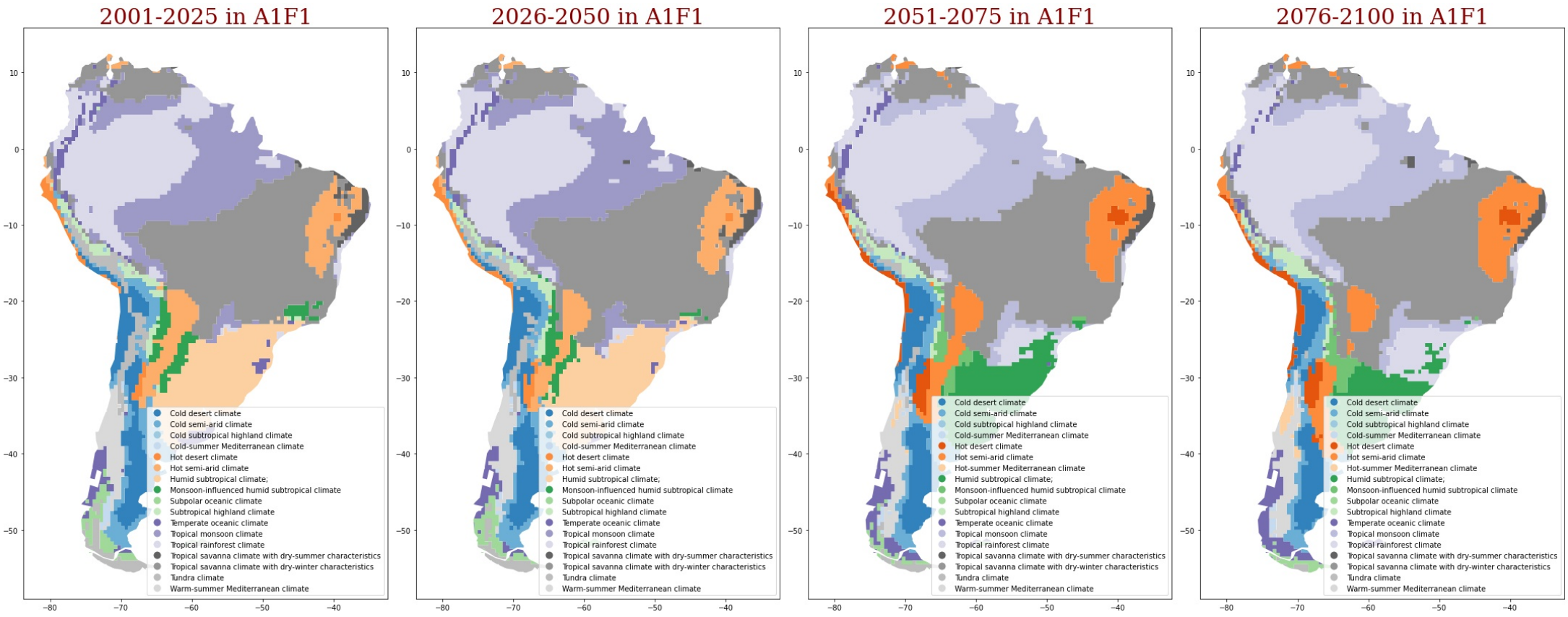
2. A1FI Emision Scenarios

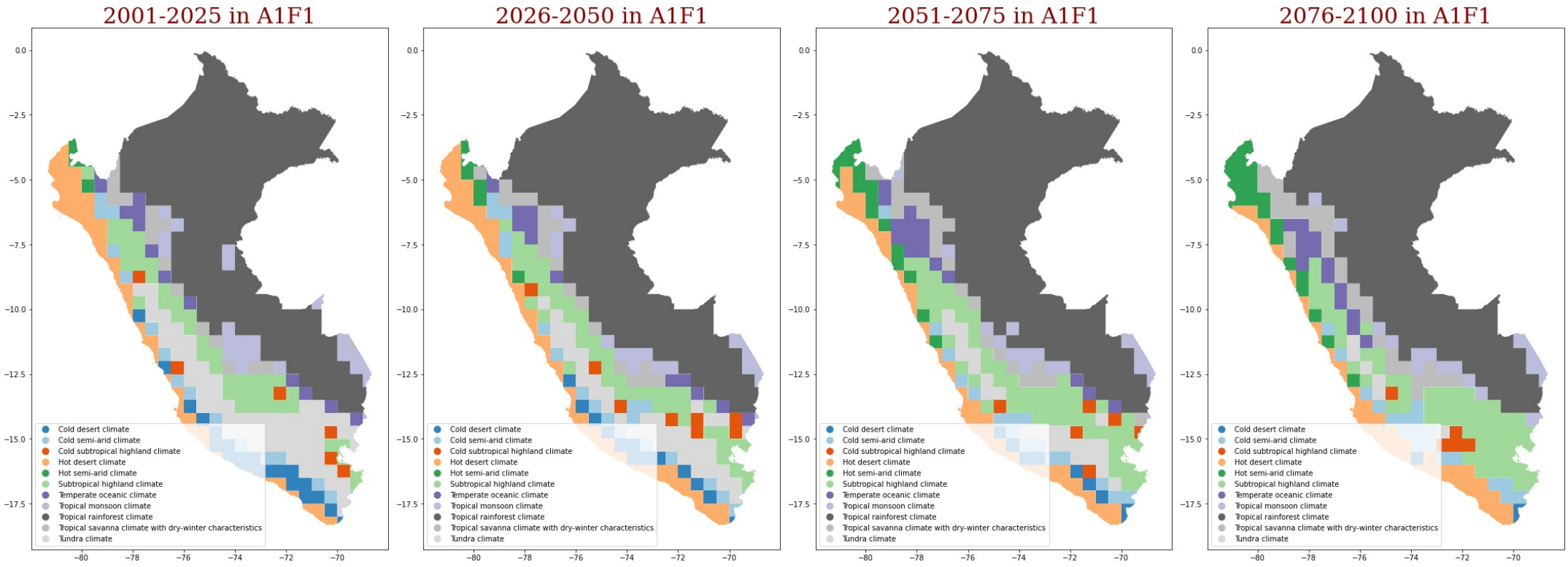


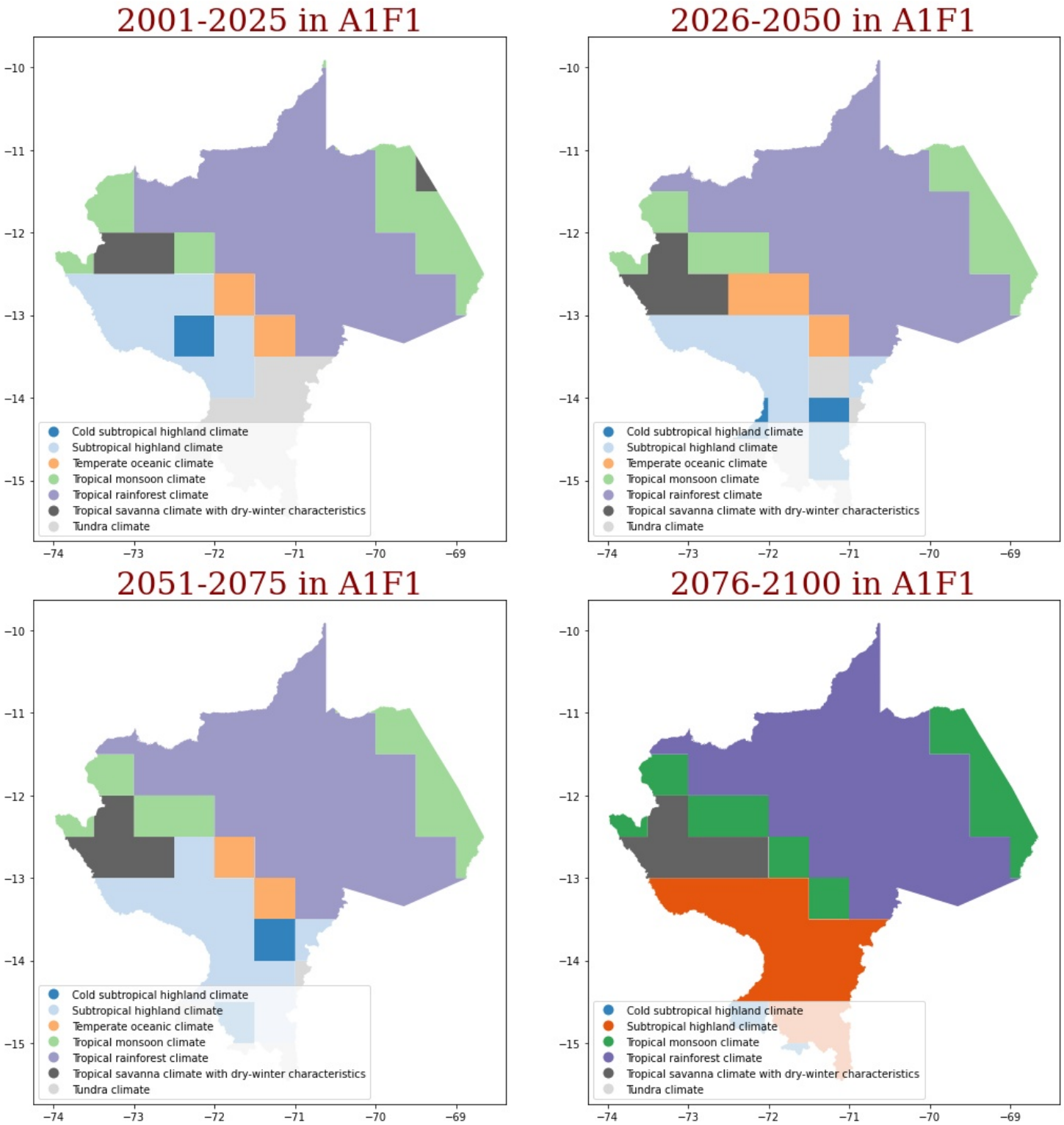




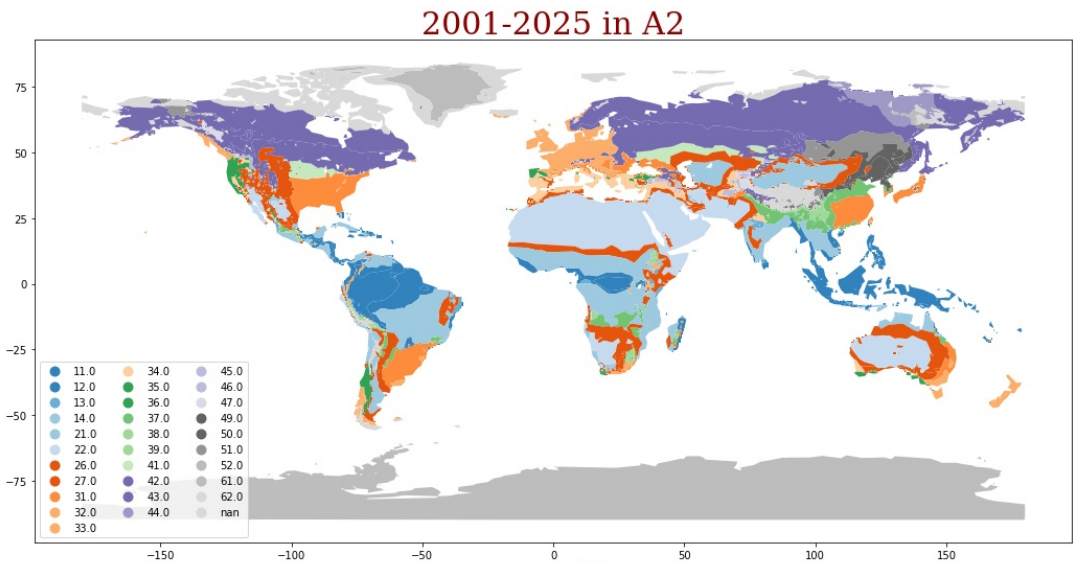


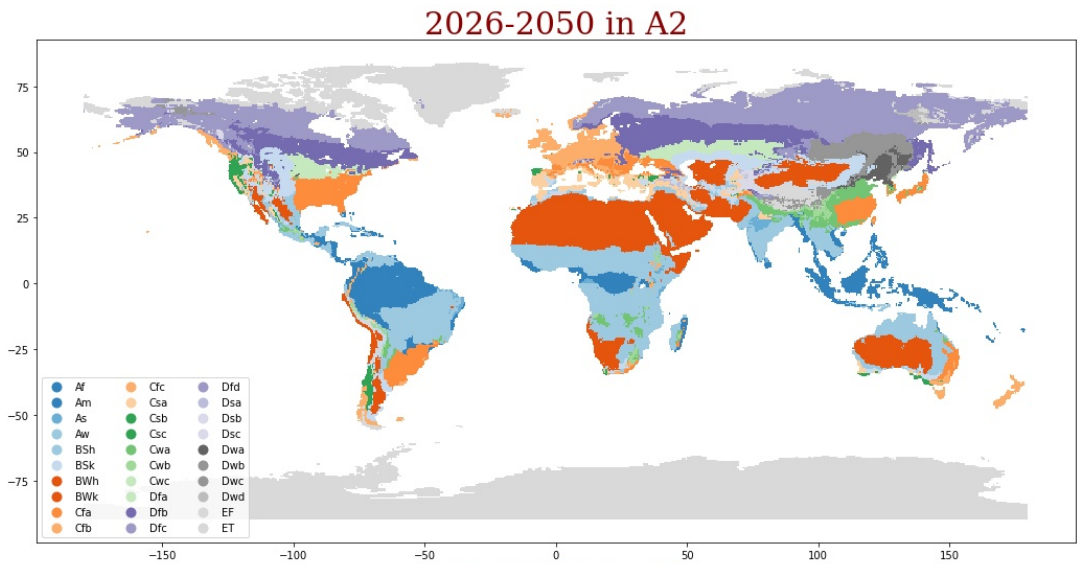

2001-2025 in A1F1
2026-2050 in A1F1
2051-2075 in A1F1
2076-2100 in A1F1
10
0
−10
−20
−30
−40
−50
−80
−70
−60
−50
−40
Cold desert climate
Cold semi-arid climate
Cold subtropical highland climate
Cold-summer Mediterranean climate
Hot desert climate
Hot semi-arid climate
Hot-summer Mediterranean climate
Humid subtropical climate;
Monsoon-influenced humid subtropical climate
Subpolar oceanic climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-summer characteristics
Tropical savanna climate with dry-winter characteristics
Tundra climate
Warm-summer Mediterranean climate

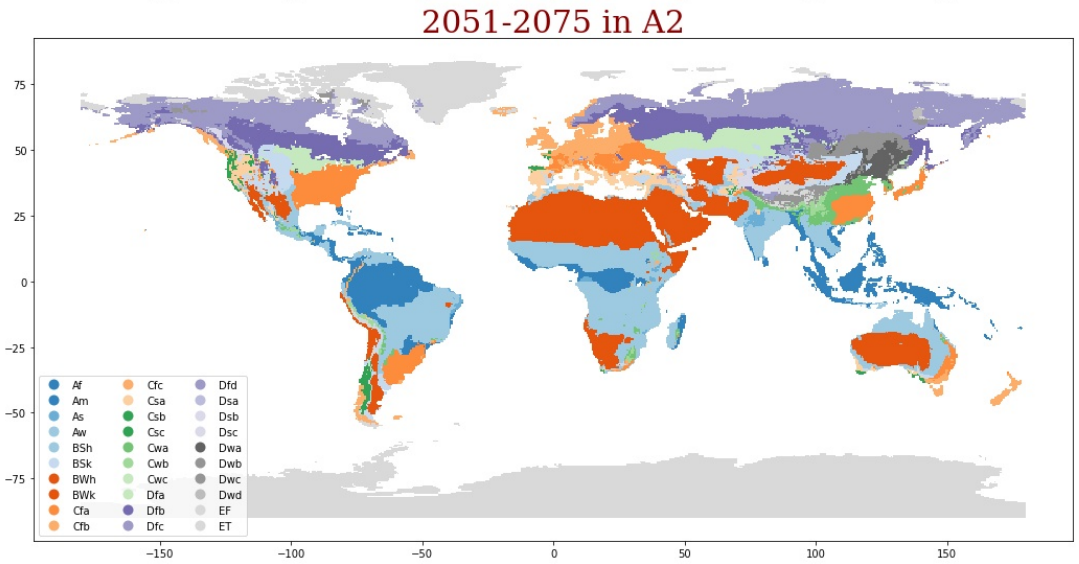

2001-2025 in A1F1
2026-2050 in A1F1
2051-2075 in A1F1
2076-2100 in A1F1
0.0
−2.5
−5.0
−7.5
−10.0
−12.5
−15.0
−17.5
−80
−78
−76
−74
−72
−70
Cold desert climate
Cold semi-arid climate
Cold subtropical highland climate
Hot desert climate
Hot semi-arid climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate

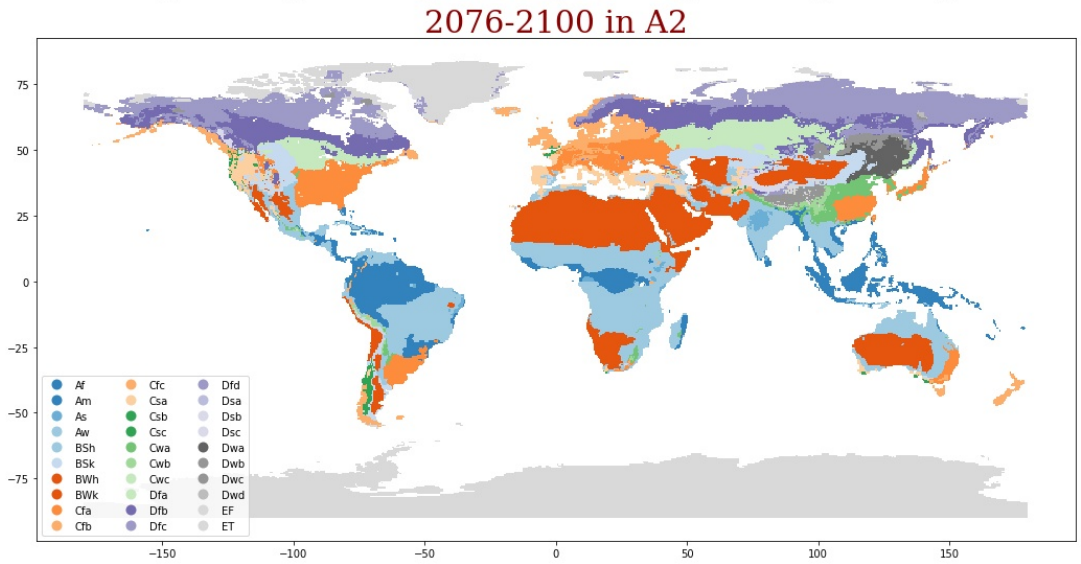

2001-2025 in A1F1
2026-2050 in A1F1
2051-2075 in A1F1
2076-2100 in A1F1
−10
−11
−12
−13
−14
−15
−74
−73
−72
−71
−70
−69
Cold subtropical highland climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate

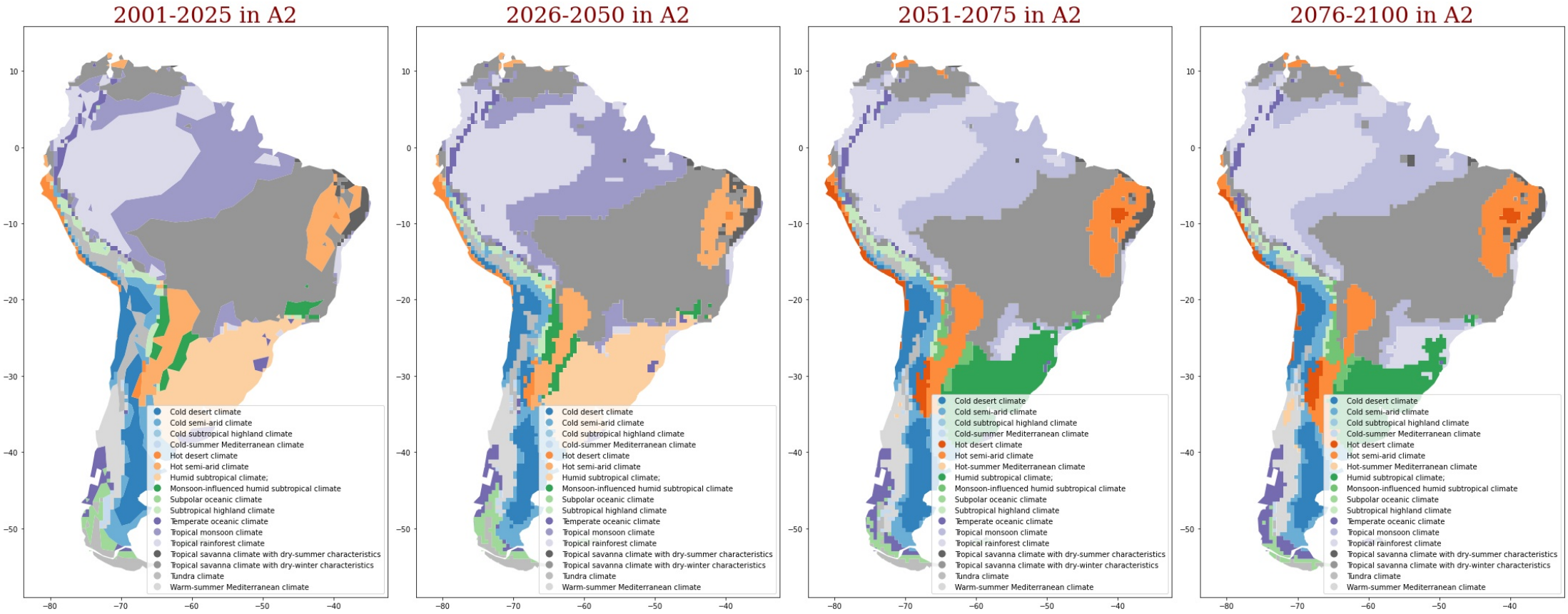
3. A2 Emision Scenario

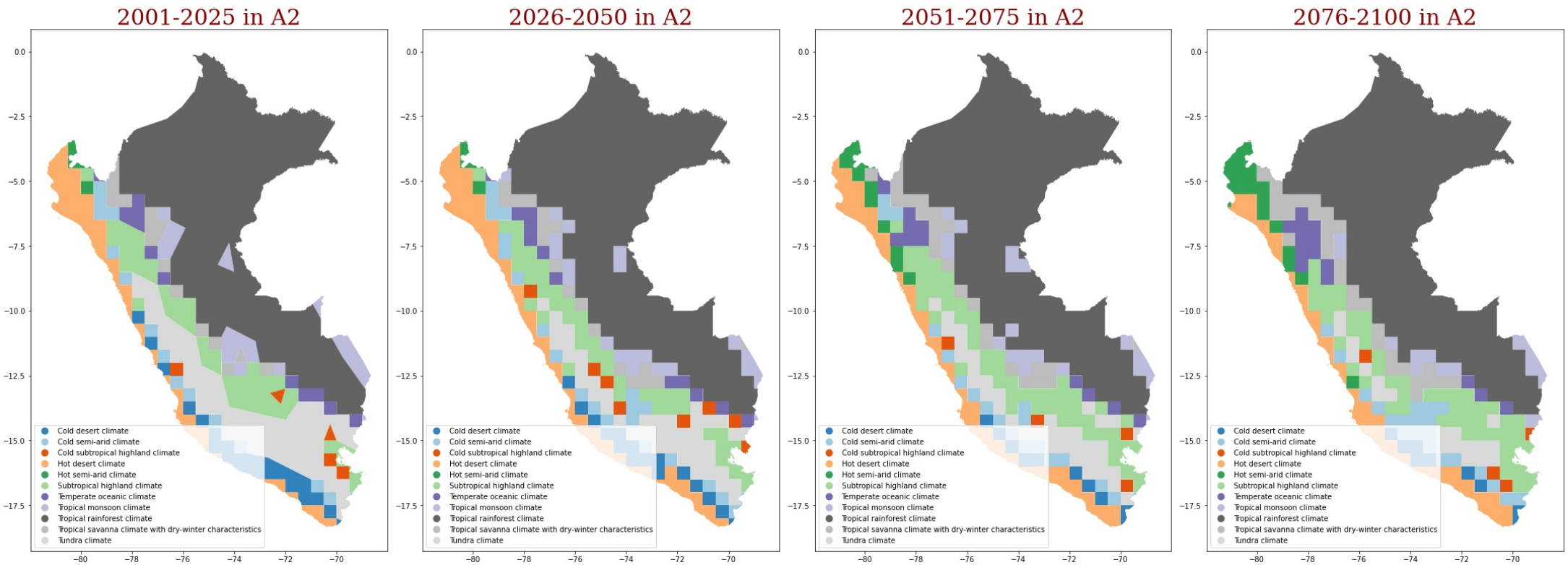


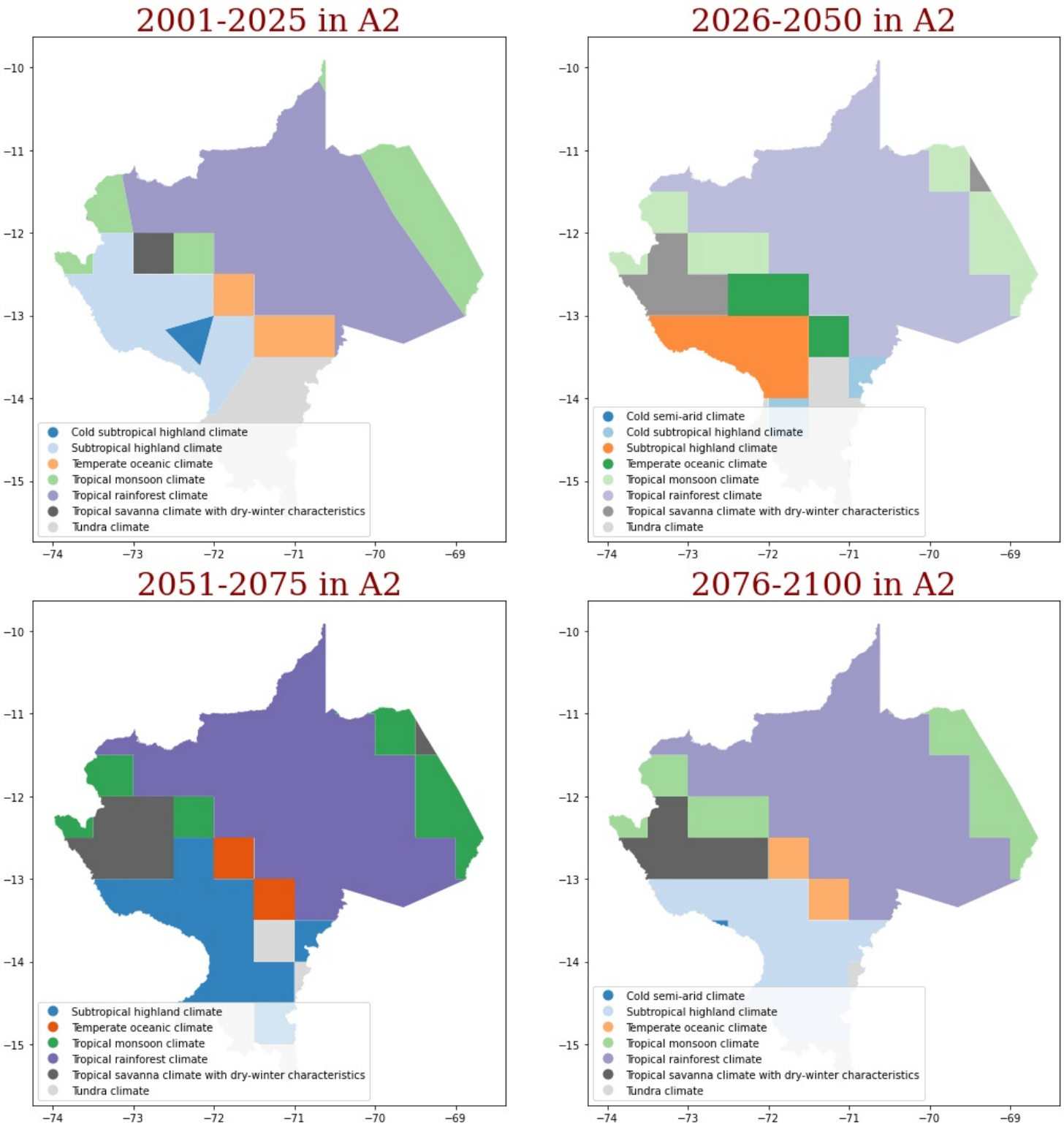




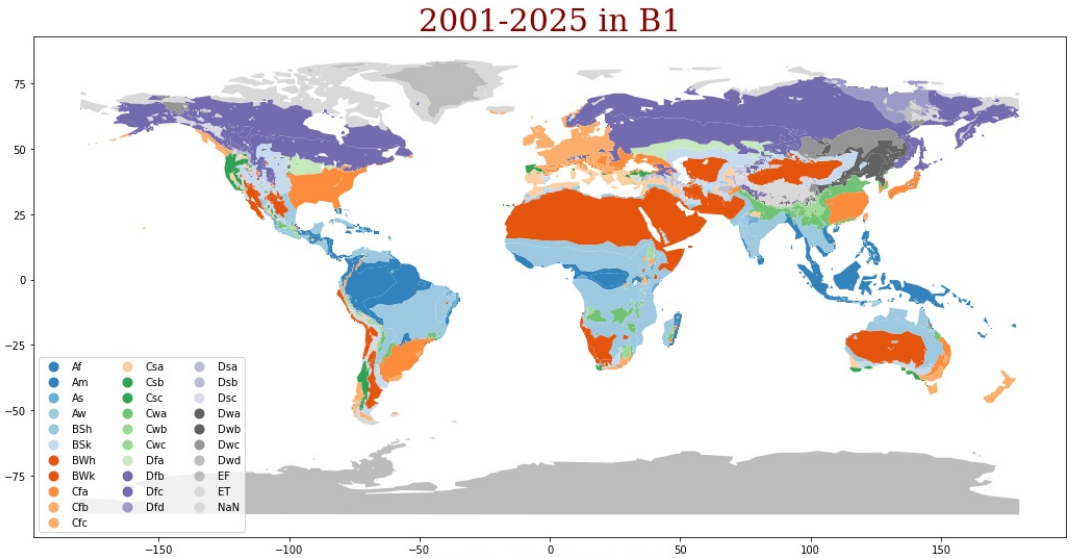


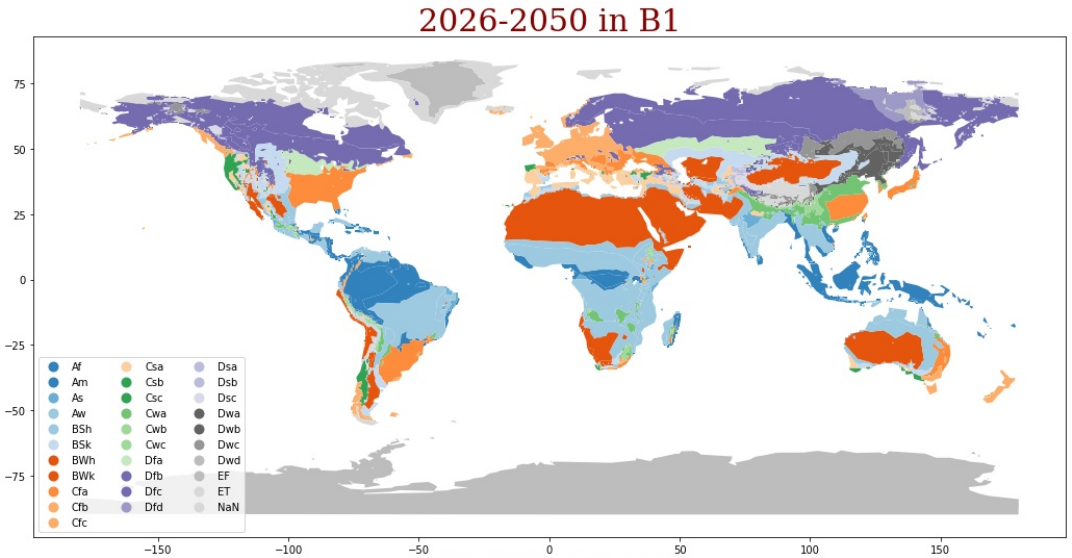

2001-2025 in A2
2026-2050 in A2
2051-2075 in A2
2076-2100 in A2
10
0
−10
−20
−30
−40
−50
−80
−70
−60
−50
−40
Cold desert climate
Cold semi-arid climate
Cold subtropical highland climate
Cold-summer Mediterranean climate
Hot desert climate
Hot semi-arid climate
Hot-summer Mediterranean climate
Humid subtropical climate;
Monsoon-influenced humid subtropical climate
Subpolar oceanic climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-summer characteristics
Tropical savanna climate with dry-winter characteristics
Tundra climate
Warm-summer Mediterranean climate

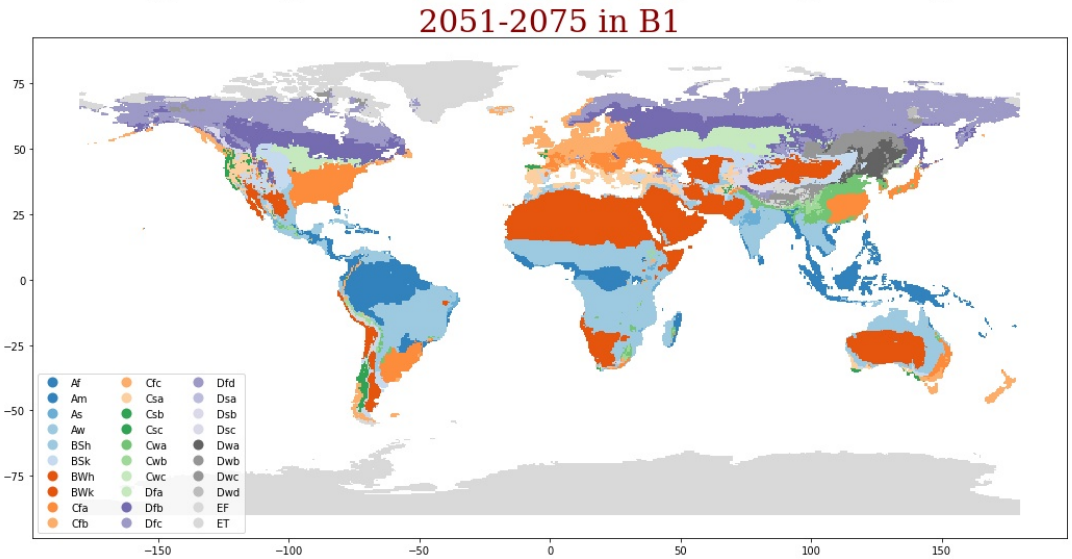

2001-2025 in A2
2026-2050 in A2
2051-2075 in A2
2076-2100 in A2
0.0
−2.5
−5.0
−7.5
−10.0
−12.5
−15.0
−17.5
−80
−78
−76
−74
−72
−70
Cold desert climate
Cold semi-arid climate
Cold subtropical highland climate
Hot desert climate
Hot semi-arid climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate

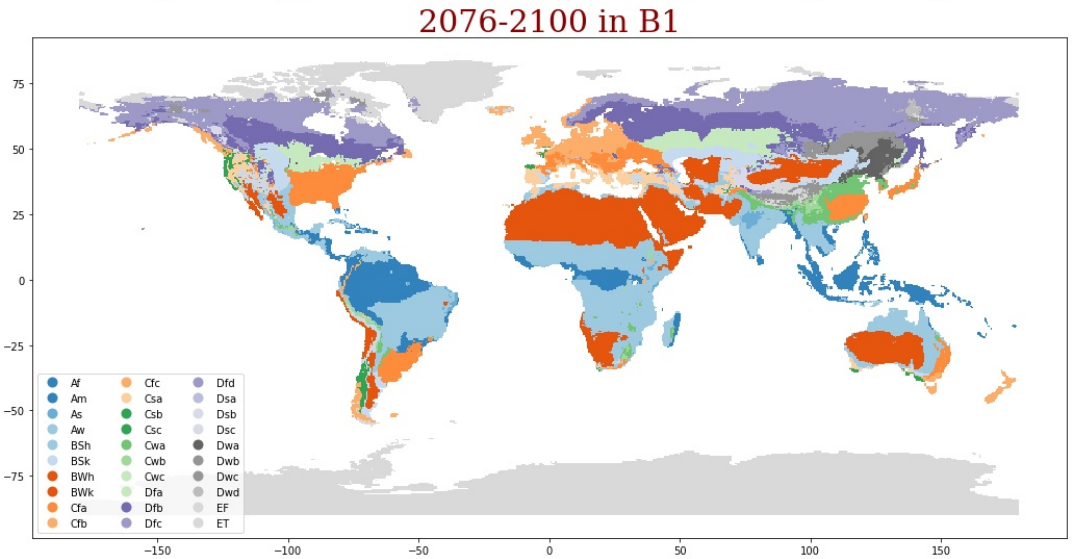

2001-2025 in A2
Cold subtropical highland climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate
2026-2050 in A2
Cold semi-arid climate
Cold subtropical highland climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate
2051-2075 in A2
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate
2076-2100 in A2
Cold semi-arid climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate
−10
−11
−12
−13
−14
−15
−74
−73
−72
−71
−70
−69

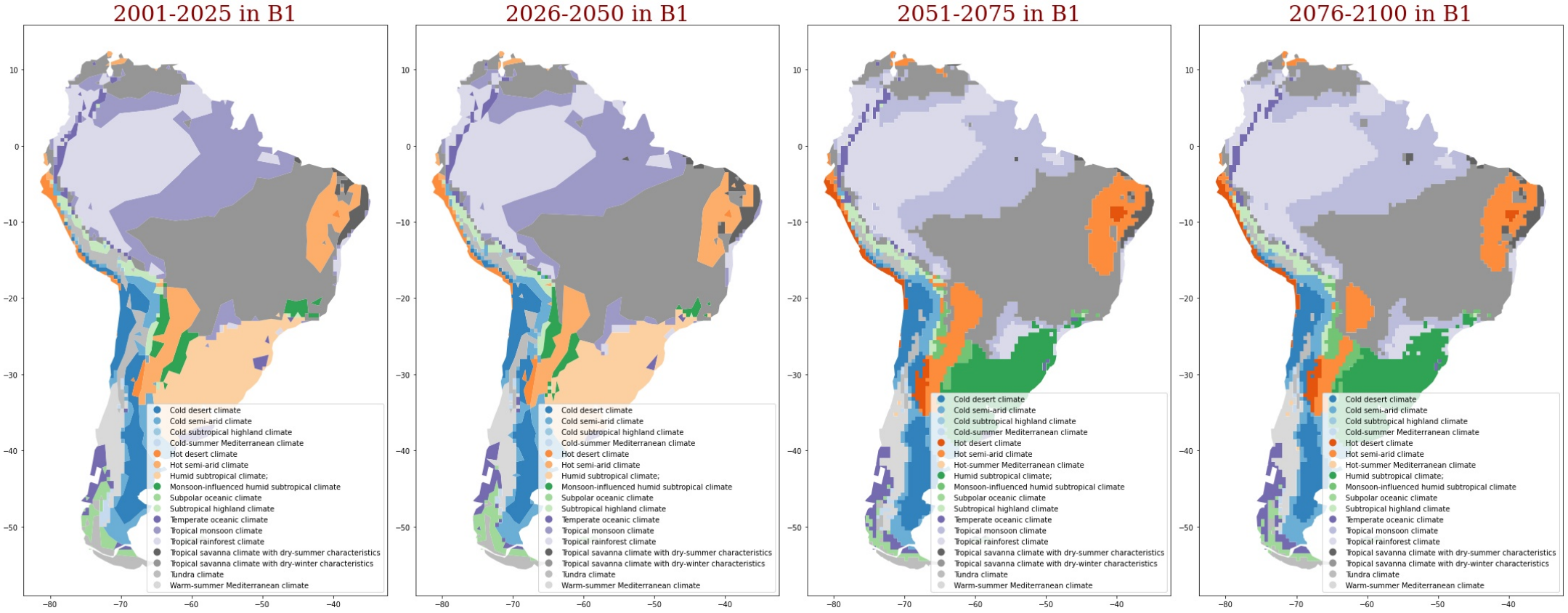
4. B1 Emision Scenario

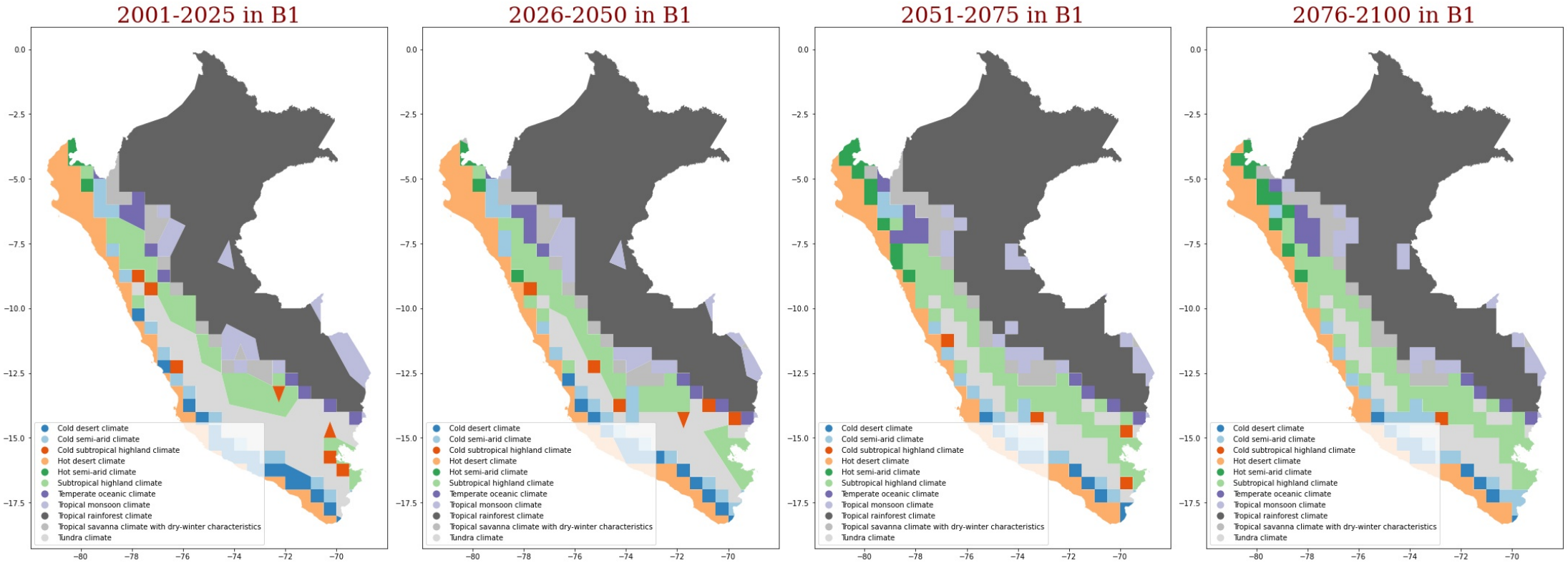


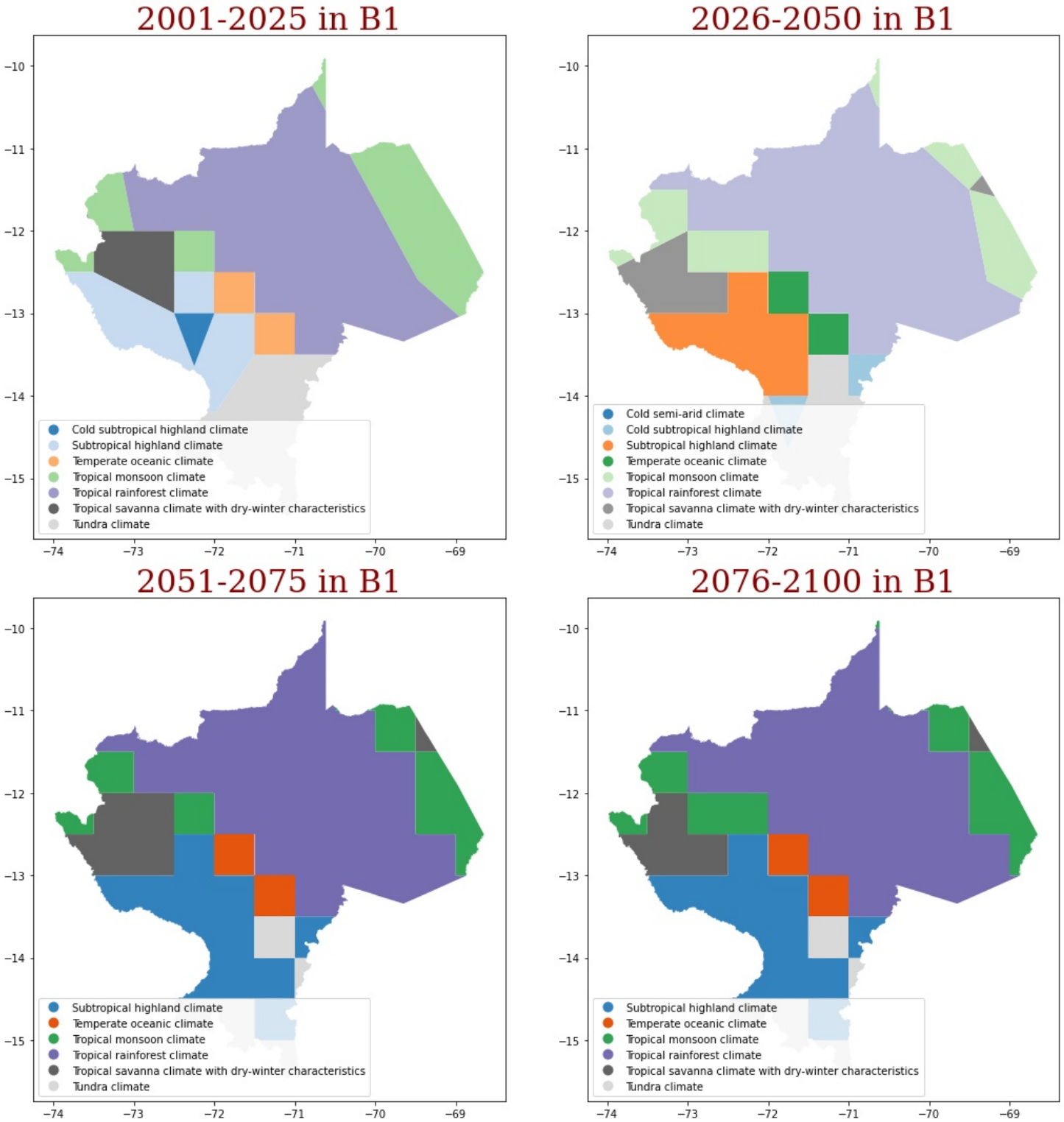




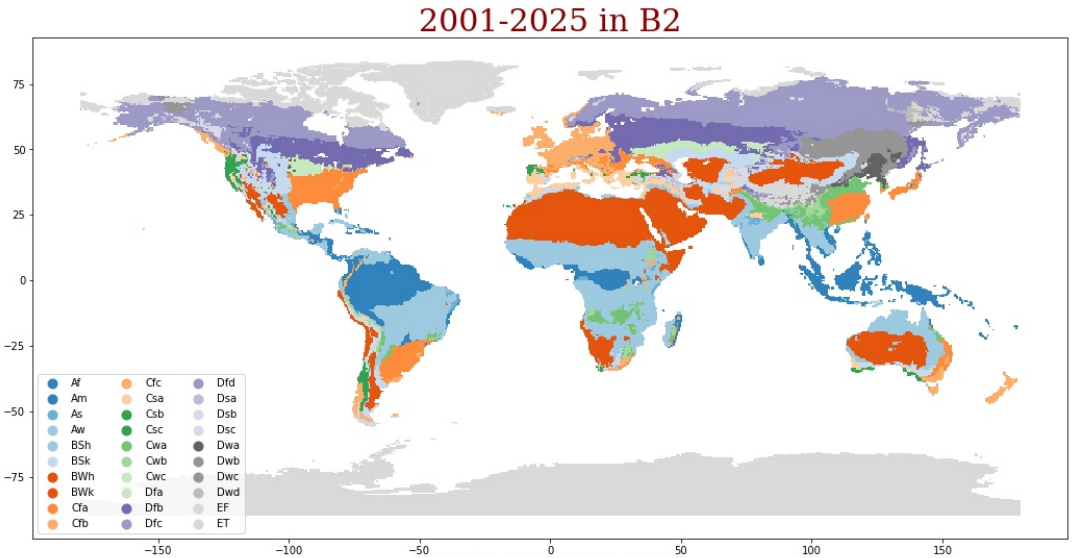


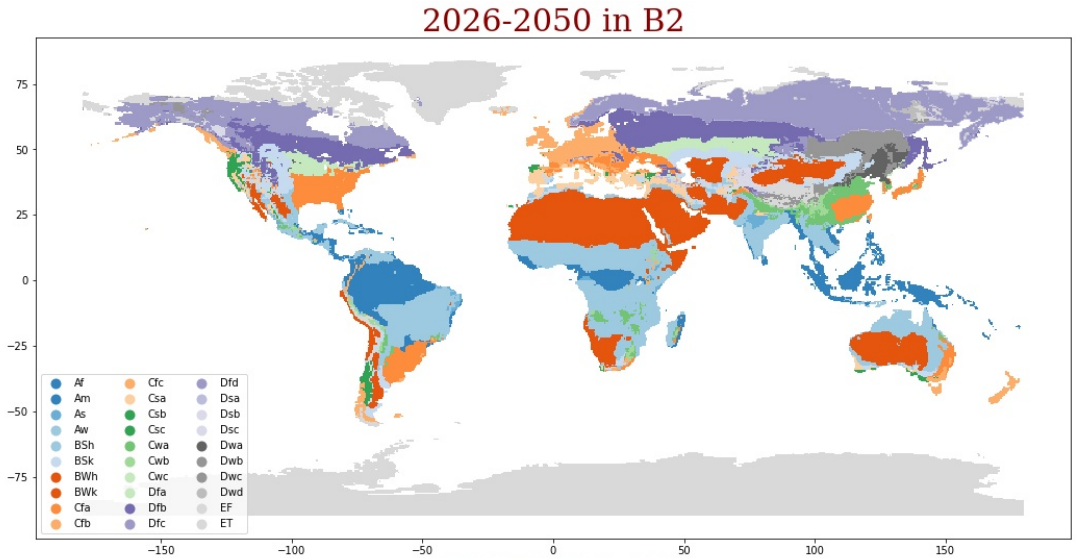

2001-2025 in B1
2026-2050 in B1
2051-2075 in B1
2076-2100 in B1
10
0
−10
−20
−30
−40
−50
−80
−70
−60
−50
−40
Cold desert climate
Cold semi-arid climate
Cold subtropical highland climate
Cold-summer Mediterranean climate
Hot desert climate
Hot semi-arid climate
Hot-summer Mediterranean climate
Humid subtropical climate;
Monsoon-influenced humid subtropical climate
Subpolar oceanic climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-summer characteristics
Tropical savanna climate with dry-winter characteristics
Tundra climate
Warm-summer Mediterranean climate

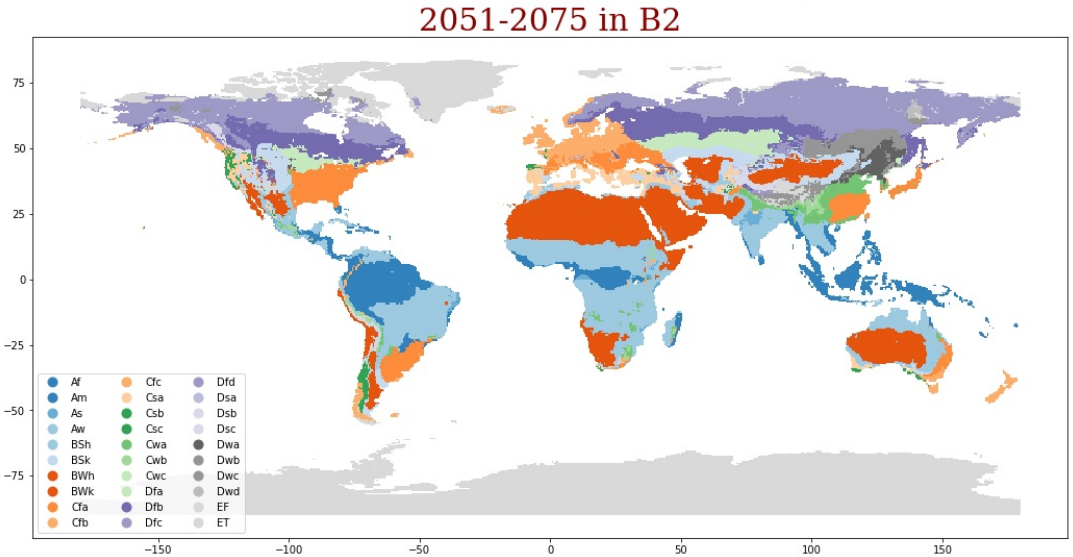

2001-2025 in B1
2026-2050 in B1
2051-2075 in B1
2076-2100 in B1
0.0
−2.5
−5.0
−7.5
−10.0
−12.5
−15.0
−17.5
−80
−78
−76
−74
−72
−70
Cold desert climate
Cold semi-arid climate
Cold subtropical highland climate
Hot desert climate
Hot semi-arid climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate

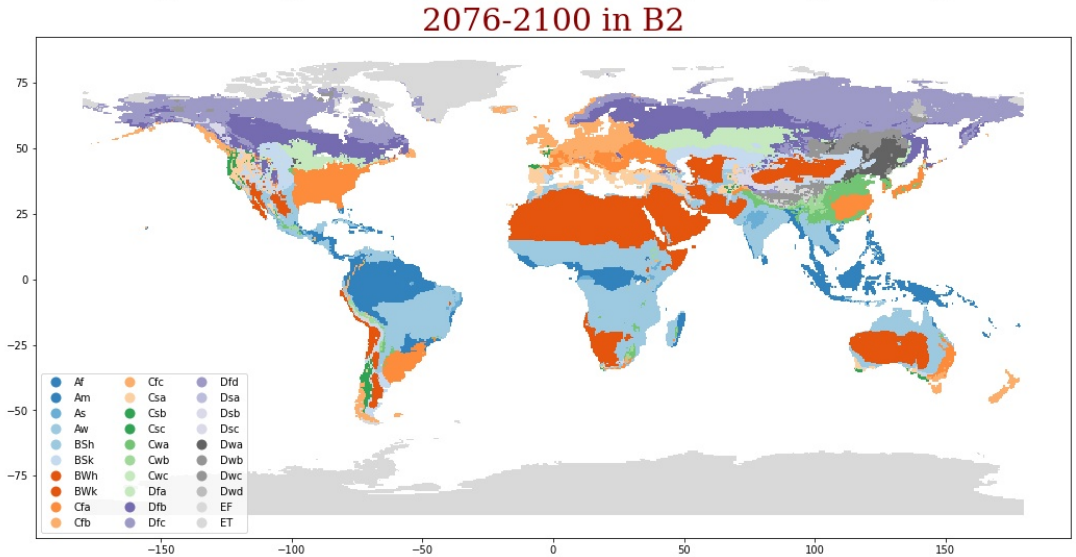

2001-2025 in B1
Cold subtropical highland climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate
2026-2050 in B1
Cold semi-arid climate
Cold subtropical highland climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate
2051-2075 in B1
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate
2076-2100 in B1
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate
−10
−11
−12
−13
−14
−15
−74
−73
−72
−71
−70
−69

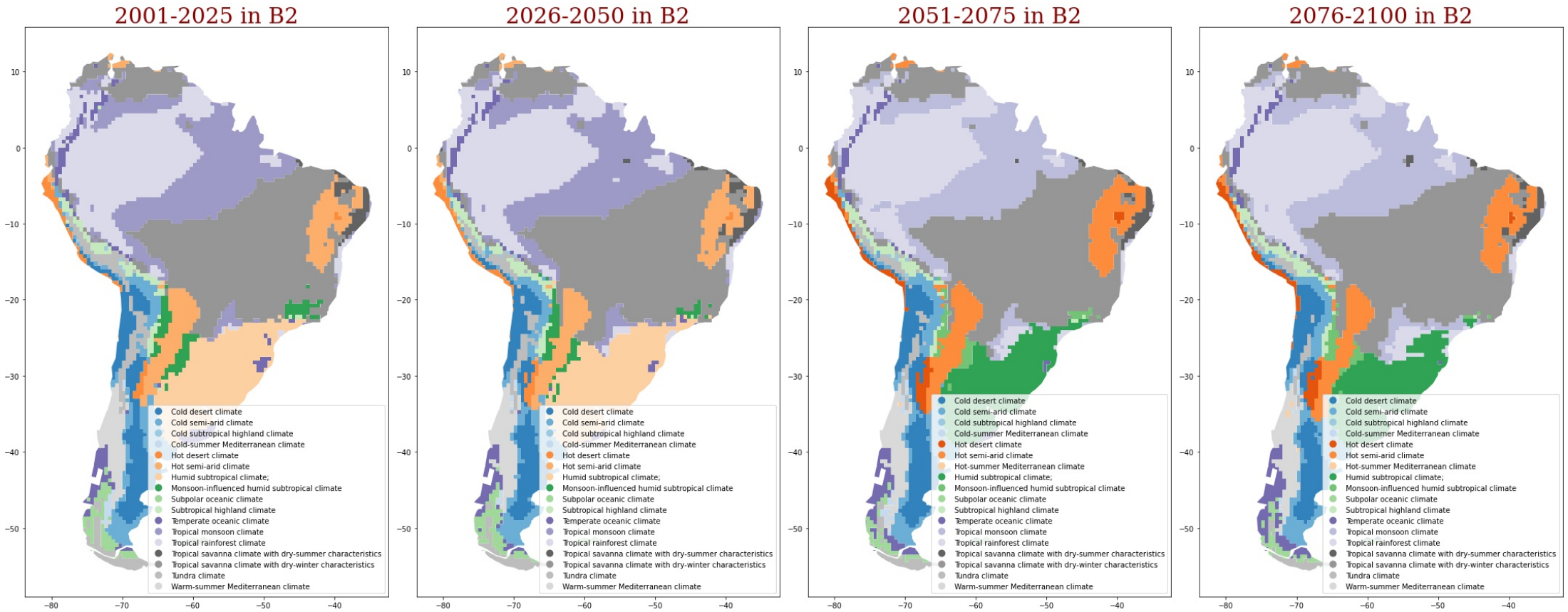
5. B2 Emissions Scenarios

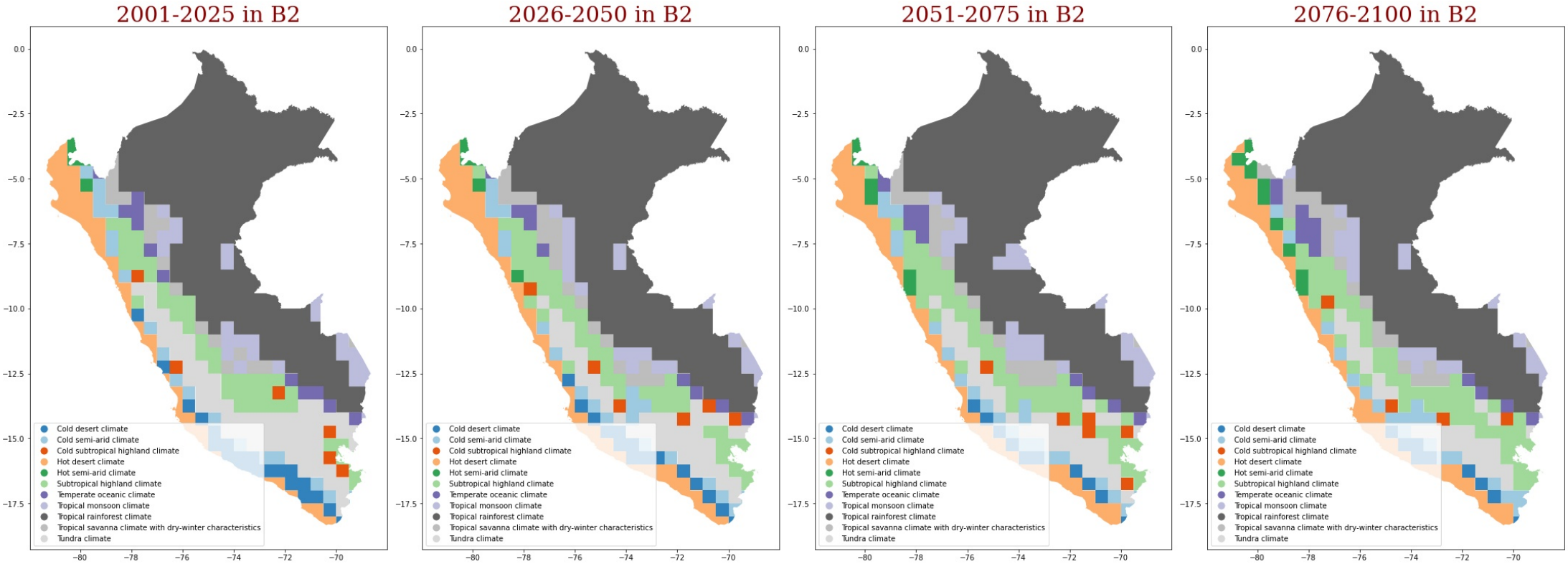









2001-2025 in B2
2026-2050 in B2
2051-2075 in B2
2076-2100 in B2
10
0
−10
−20
−30
−40
−50
−80
−70
−60
−50
−40
Cold desert climate
Cold semi-arid climate
Cold subtropical highland climate
Cold-summer Mediterranean climate
Hot desert climate
Hot semi-arid climate
Hot-summer Mediterranean climate
Humid subtropical climate;
Monsoon-influenced humid subtropical climate
Subpolar oceanic climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-summer characteristics
Tropical savanna climate with dry-winter characteristics
Tundra climate
Warm-summer Mediterranean climate


2001-2025 in B2
2026-2050 in B2
2051-2075 in B2
2076-2100 in B2
0.0
−2.5
−5.0
−7.5
−10.0
−12.5
−15.0
−17.5
−80
−78
−76
−74
−72
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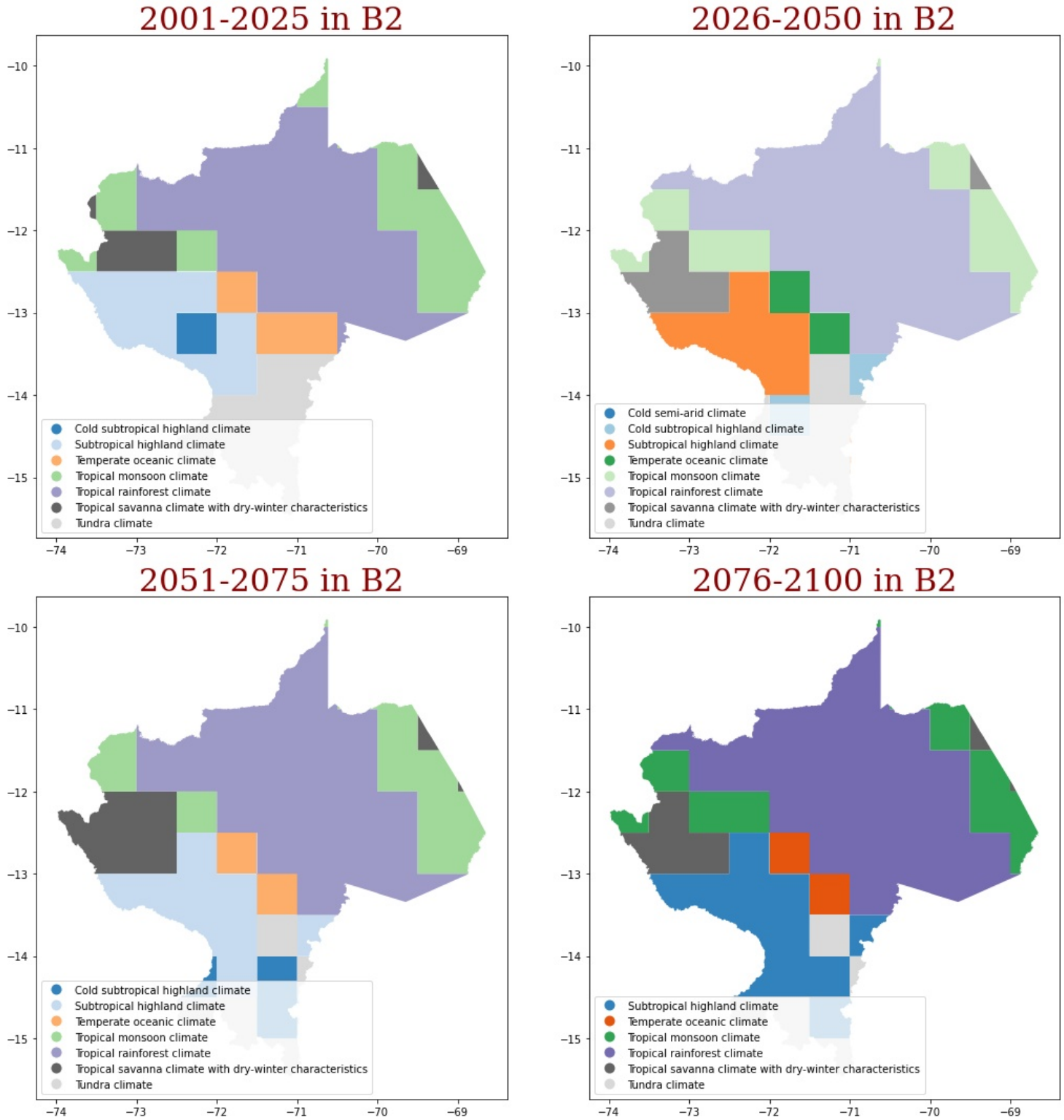
Tundra climate


2001-2025 in B2
Cold subtropical highland climate
Subtropical highland climate
Temperate oceanic climate
Tropical monsoon climate
Tropical rainforest climate
Tropical savanna climate with dry-winter characteristics
Tundra climate
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Cold semi-arid climate
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Subtropical highland climate
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Tropical savanna climate with dry-winter characteristics
Tundra climate
−10
−11
−12
−13
−14
−15
−74
−73
−72
−71
−70
−69

THANK YOU

David Guevara-Apaza.

Find the code in the repo linked here:
https://github.com/yodavo/moja-global-analysis